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The CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

DECEMBER 12 1959

The BEATSON Dispensing Service

We are proud to offer a unique service in supply of high quality glass bottles. The Beatson range includes every container used in Pharmacy and large stocks are maintained in all types and finishes.
Despatch can be made promptly from stock and all bottles are packed "production clean" in the Beatson Sealed Carton.

"The Sign of a TRADE MARK REGISTERED *Good Bottle"*



Be sure to specify BEATSON

BEATSON, CLARK & CO. LTD · ROTHERHAM · YORKSHIRE
Bottle Manufacturers since 1751

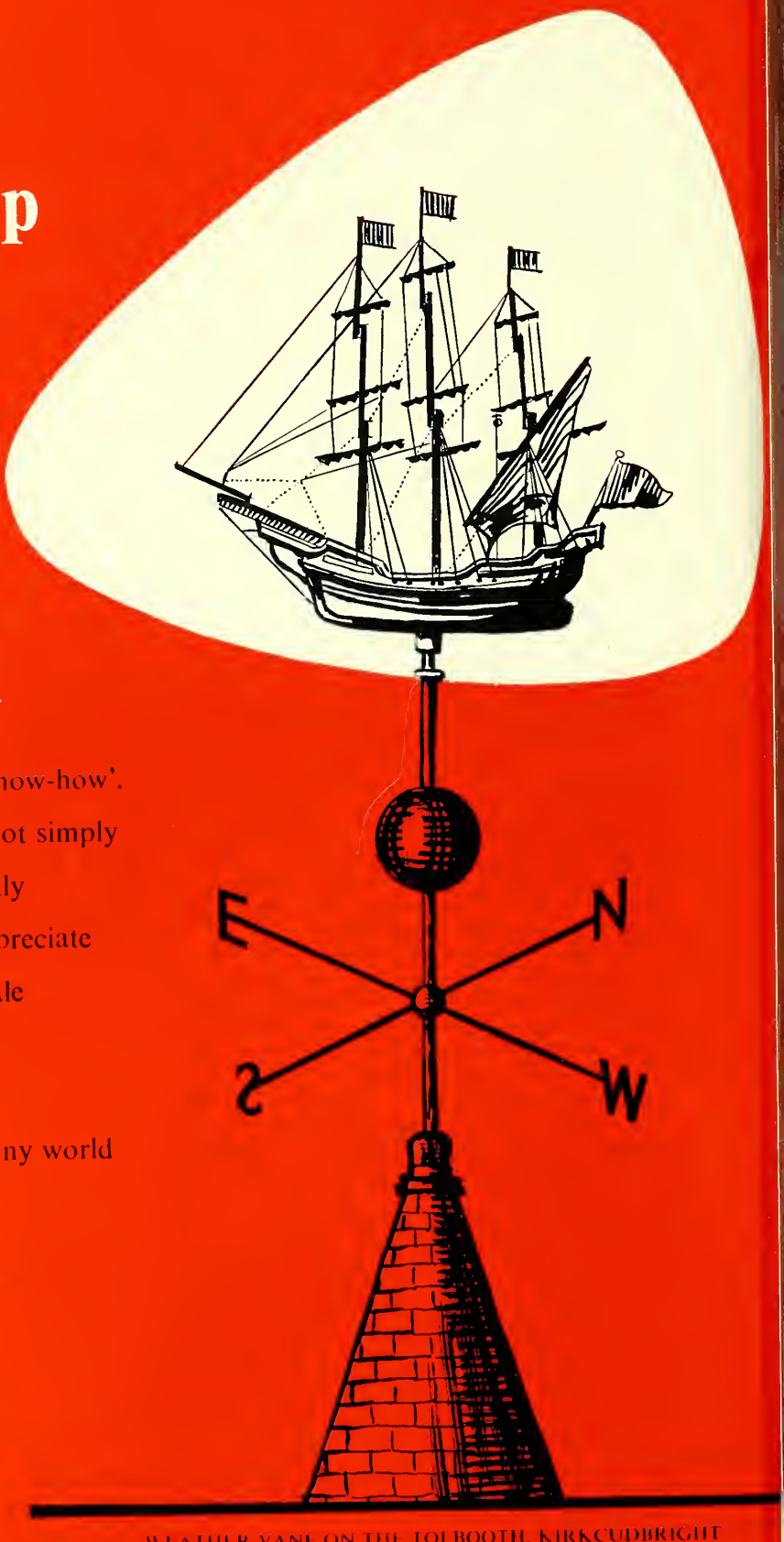
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The secret lies largely in production 'know-how'. Codeine Phosphate Special, Smith, is not simply a B.P. product dried down, it is specially prepared. Those who make tablets appreciate its stability and consistency. Large-scale production predicates ample stocks, ensuring prompt delivery at all times. These are some of the reasons why many world famous companies use it exclusively.



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Best-ever bonus
15 to the dozen!

—for 2-gross orders or more.

Lots of 6-dozen—14 to the dozen

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'Tyrozets' & 'Sucrets' are regd. trademarks

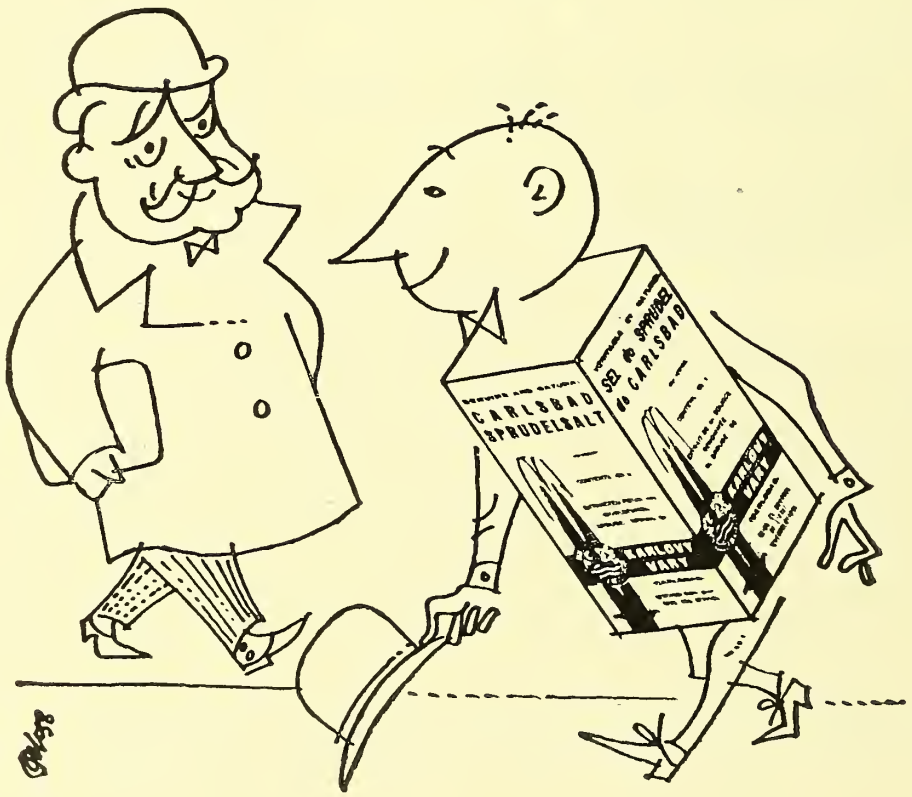
Also, the new-type bonus for 'Sucrets'
—you buy 'Sucrets', we give 'Tyrozets'

48 tins 'Sucrets' plus bonus of 6 vials 'Tyrozets'.

144 tins 'Sucrets' plus bonus of 24 vials 'Tyrozets'.

A

Meet again



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ON ASSORTED ORDERS OF
1 GROSS OR MORE

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3. Thompson Crabtree, Monton, Lancs
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Also in 1/- heat sealed moisture-proof cartons

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CARRUTHERS STREET
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PRICES REDUCED
HARDWOOD APPLICATORS
100 boxes and over 3/2 per box, 50 to 99 boxes 3/6 per box under 50 boxes 4/- per box. Standard pack, 6 gross to a box
IMMEDIATE DELIVERY FROM LONDON STOCKS

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SHELF EDGE TICKET SYSTEMS
Hygienic glazed plastic Tickets for Metal, Plastic or Wood Beading
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Numerous standard designs or to customer's own specifications
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VI-LAN Lanolin Cream



the successful treatment for rough or chapped skin

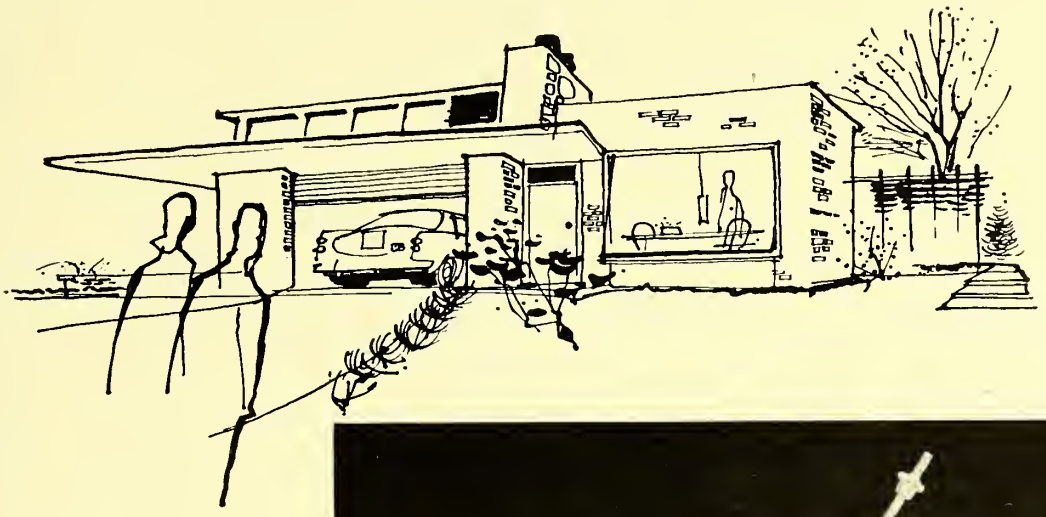
Vi-lan is lanolin cream presented to the public in a most attractive pack and in a most convenient form. Customers are pleased with its effectiveness and continually repeat their orders, whilst our chemist friends gain the benefit of the generous profit margin.

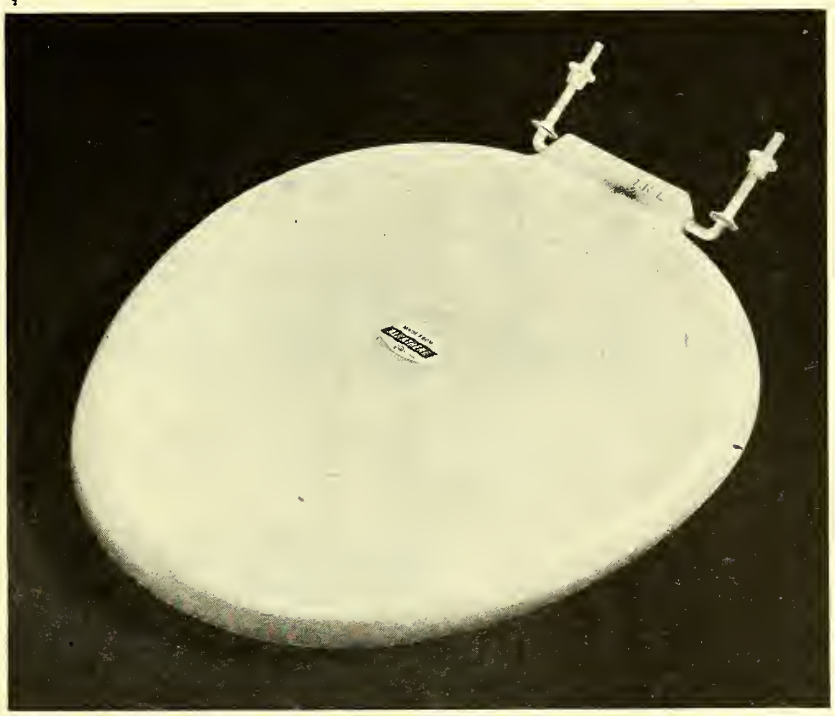
Classified advertising in the *Sunday Express*, the *People* and the *Empire News* brings Vi-lan to the notice of almost all the households in the country. A constant display on your counter will ensure profitable business. Sample and bonus terms available on application.

★ RETAILS AT 1/6

THORNTON & ROSS
LIMITED
LINTHWAITE LABORATORIES
HUDDERSFIELD ENGLAND

TR.198





'Slimline' toilet seat made from 'Alkathene' by EKCO PLASTICS LTD.

keep up with the times-

stock and sell toilet seats made from 'Alkathene'

You cannot stifle progress, and the new toilet seat made from 'Alkathene' is the result of progressive thinking about sanitary ware.

'Alkathene' satisfies every requirement of the housewife, the hospital administrator and local authorities because of its inherent properties of hygiene, toughness, excellent resistance to household chemicals and ease of cleaning.

Old-fashioned toilet seats are available only in dull colours, whereas the new seats made from 'Alkathene' are made in bright, attractive colours to harmonise with popular colour schemes.

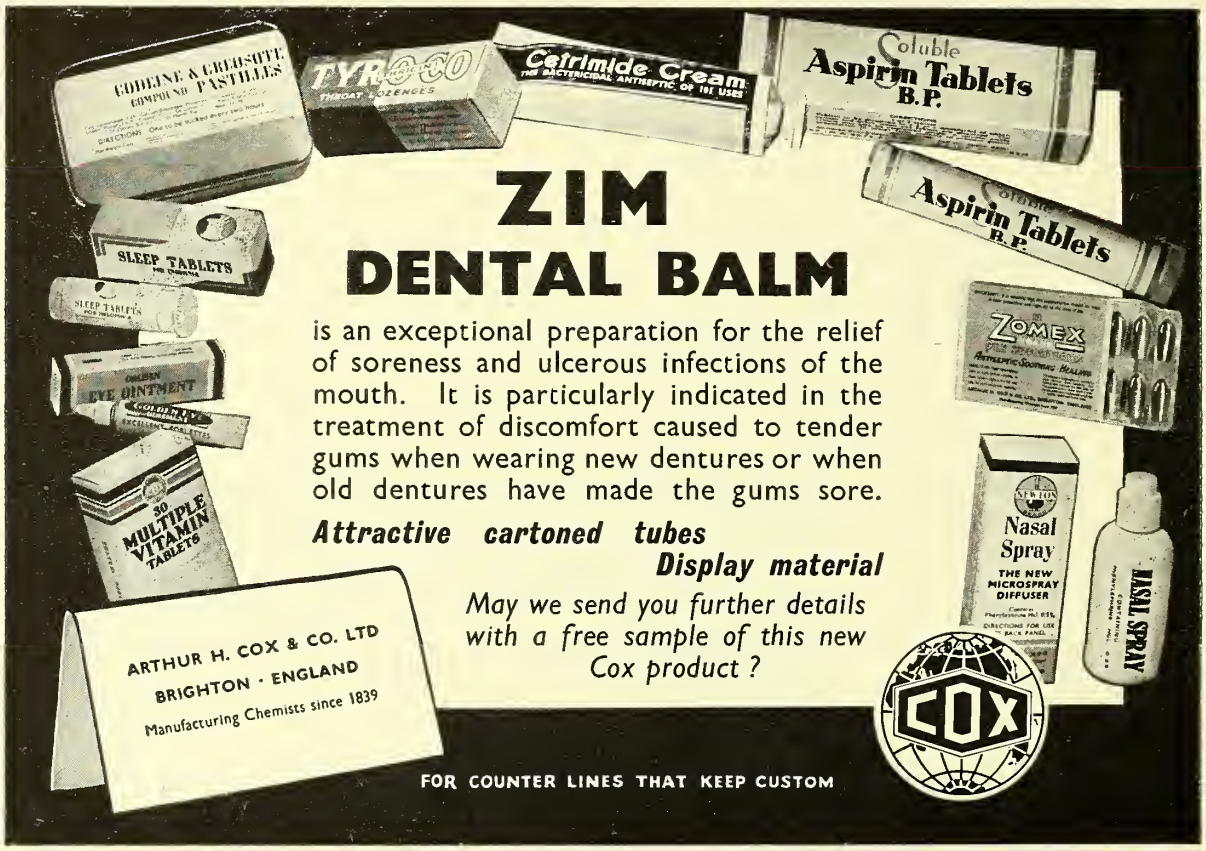
In hospitals, public institutions, schools and even homes the breakage of ordinary toilet seats is high. Experience with seats made from 'Alkathene' has shown that they just will not break – so tough, yet so pleasant to the touch. Seats made from 'Alkathene' are so well designed, and so flexible that rubber stoppers are not required and yet they will not damage sanitary ware.

'Alkathene' is the registered trade mark for the polythene manufactured by I.C.I.



IMPERIAL CHEMICAL INDUSTRIES LIMITED · LONDON S.W.1

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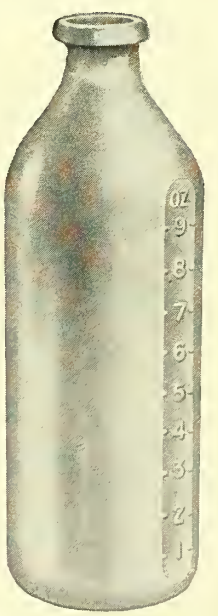
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DENTAL BALM

is an exceptional preparation for the relief of soreness and ulcerous infections of the mouth. It is particularly indicated in the treatment of discomfort caused to tender gums when wearing new dentures or when old dentures have made the gums sore.

Attractive cartoned tubes
Display material

May we send you further details with a free sample of this new Cox product ?

FOR COUNTER LINES THAT KEEP CUSTOM



Narrow Neck Feeding Bottle **RETAIL 2/6**

"Skylon"

THE ORIGINAL POLYTHENE FEEDING BOTTLES

Hygienic, tasteless, odourless, unaffected by foodstuffs. Standard valves and teats fit narrow neck and boat-shape bottles. Sterilizing instructions with each bottle.

Obtainable from your usual Wholesaler

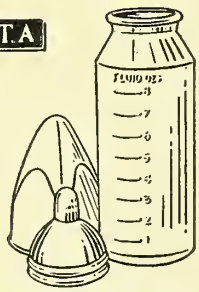
FIBRENYLE LIMITED
157 DUKES ROAD, LONDON, W.3
ACORN 5073-4

By far the best value for this type of product



Boat-shaped Feeding Bottle **RETAIL 2/8**

P.A.T.A



Dual Purpose Feeding Bottle with No-germ Cap **RETAIL 4/4**

JACW/CD/4

After the sun of summer

...the winds of winter



And again, the need for Christy's Emulsion. Protective, soothing and healing on sore or exposed skins, Christy's Emulsion is widely known and trusted. As summer sunburn is followed by winter chapping and rawness, the demand for Christy's Emulsion continues to expand. To help meet this demand, see you have ample stocks of Christy's Emulsion.
Small bottle or tube retails at **2/3,** *large bottle at* **3/10.**

BIG NEW 1960 ADVERTISING CAMPAIGN

for Christy's Emulsion appearing in the gardening and farming press, and in Advertising Magazine programmes on Granada, Tyne-Tees, Anglia and Scottish Television.



Christy's Emulsion

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20 MILLION WOMEN SEE EVAN WILLIAMS ADVERTISING. FABULOUS SIX-MONTH DRIVE REACHES THEM 3 TIMES A WEEK! ON 6 TELEVISION NETWORKS! IN 10 MASS-CIRCULATION NATIONAL NEWSPAPERS! IN 16 WOMEN'S JOURNALS—5 LEADING WEEKLIES AND 11 HIGH-CIRCULATION MONTHLIES! GIVING A TOTAL POSSIBLE NUMBER OF IMPACTS OF

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Evan Williams offer you fabulous money-spinners, each one perfectly formulated by highly experienced research chemists and backed by Evan Williams' half-a-century of specialist experience in the manufacture of beauty aids.

Here's the money making opportunity of a life-time—the fastest selling lines ever—at really substantial profit margins.

SEE OUR REPRESENTATIVE FOR DETAILS OF ATTRACTIVE BONUS OFFERS

Evan Williams

MAKERS OF INTERNATIONALLY FAMOUS TOILETRIES · 79 BOND STREET · LONDON · W.1

Certor REGD. SURGICAL DRESSINGS B.P.C

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Quality Tested

Carton packed for longer life

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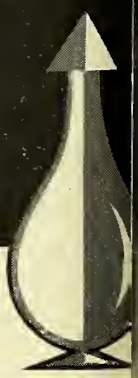
For your 1960 contract order the best

Certor REGD.

Absorbent Cotton Wool in Blue cartons
Absorbent Lint in Green cartons
Boric Lint in Red cartons
Absorbent Gauze in Maroon cartons
Crepe Bandage in Orange cartons

Mansil

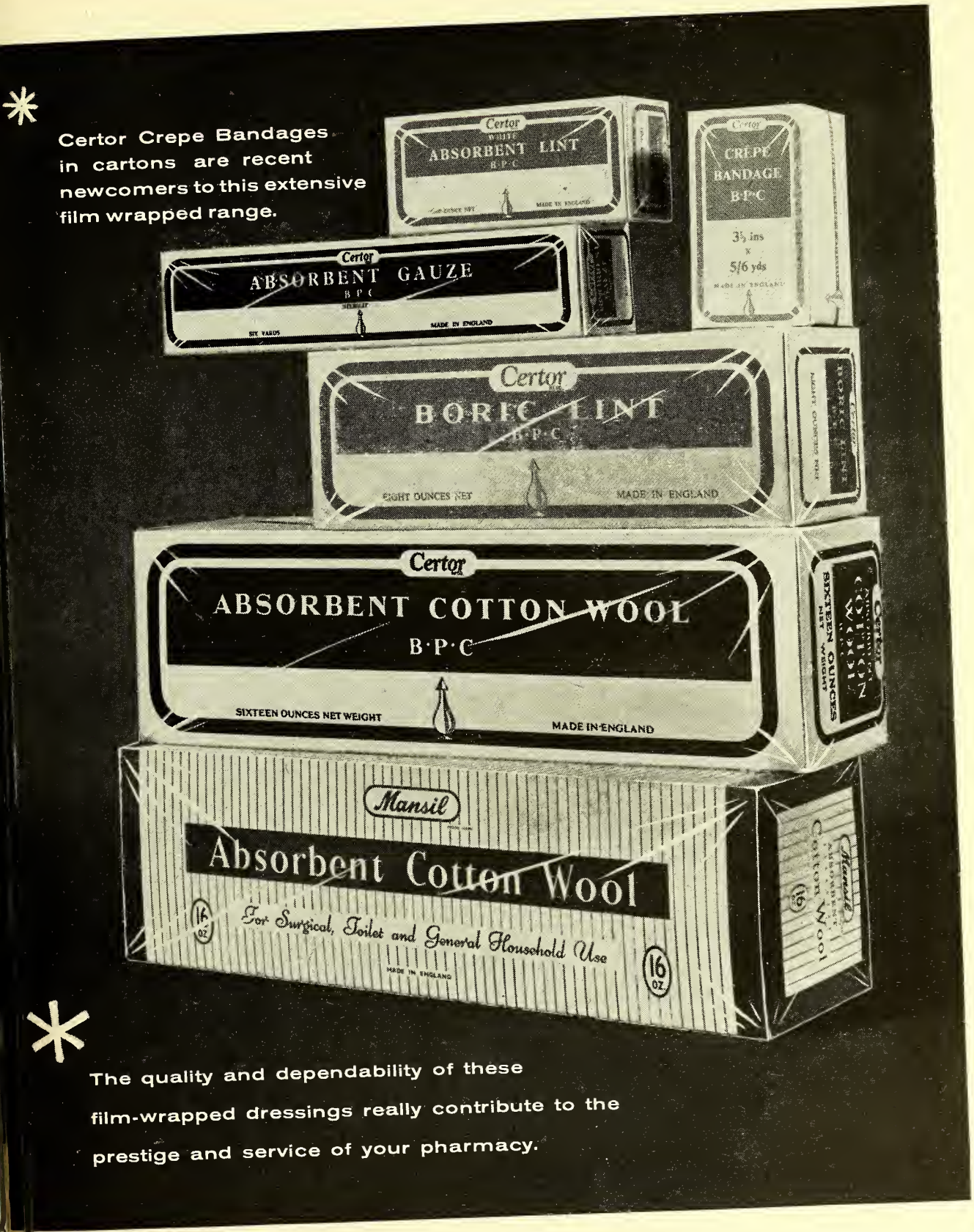
Hospital Cotton Wool in Pale Blue cartons



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Certor Crepe Bandages in cartons are recent newcomers to this extensive film wrapped range.
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MADE IN ENGLAND
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CREPE BANDAGE
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x
5/6 yds
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B·P·C
SIX YARDS
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EIGHT OUNCES NET
MADE IN ENGLAND
Certor
ABSORBENT COTTON WOOL
B·P·C
SIXTEEN OUNCES NET WEIGHT
MADE IN ENGLAND
SIXTEEN OUNCES NET WEIGHT
Mansil
Absorbent Cotton Wool
For Surgical, Toilet and General Household Use
16 OZ
MADE IN ENGLAND
16 OZ
The quality and dependability of these film-wrapped dressings really contribute to the prestige and service of your pharmacy.

THE WINNERS

'Kolynos' REGD. announce the winners of their National 1959 Snapshot Competition

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£25 for issuing Grand Prize Winner's entry form W. J. Colwell, The Post Office, GRASMERE, Westmorland

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HOLIDAYS	F. R. Neubert, Queen's Road, GUERNSEY, Channel Islands	R. N. Keith, 3 Warraton Close, SALTASH, Cornwall	F. K. Hickey, 15 Tweendykes Road, Sutton-on-Hull, HULL, E.Y.
VIEWS	W. J. Peacop, 56 Heddon Court Ave., COCKFOSTERS, Herts.	J. H. Saunders, 51 Wathen Road, LEAMINGTON SPA, Warwicks.	E. Heber, 47 Orchard Road, EAST COWES, I.O.W.
'POT LUCK'	F. B. Rice, 16 Winern Glebe, BYFLEET, Surrey	J. Wakefield, 16 Poplar Grove, PONTEFRACT, Yorks.	A. J. Haydock, 40 Spring Street, ACCRINGTON, Lancs.
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250 Entries win Consolation Prizes of £5 each
(Names and addresses of the winners sent on application)

I.C.C. Ltd. regret that correspondence relating to this competition cannot be entered into, nor can black and white entries be returned.

INTERNATIONAL CHEMICAL CO. LTD.

12 Chenies Street, London, W.C.1

KOLYNOS SNAPSHOT COMPETITION

CANNON *Baby Products*



'MODERN' TEATS

for Nearest to Natural Feeding in 2-doz. packs: three flow sizes. Large perforation – Red lettered pack, Medium-Green, Small-Blue. Retailing at 7½d. each.





'MODERN' NURSER TEATS

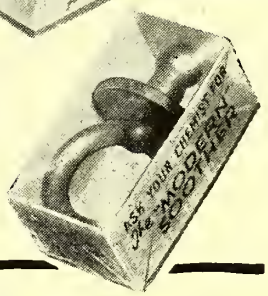
to fit all screw-topped feeding bottles – also in three flow sizes.





'MODERN' SOOTHERS AND JUNIOR SOOTHERS

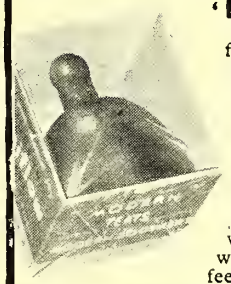
with transparent or coloured rubber rings.





'MODERN' NURSERS

in heat resistant glass, flint glass, and polythene. A great advance in Bottle Feeding. Screw cap makes it ideal for travelling.



'EASIFLOW' TEATS

fitted with built-in valve, specially designed to fit wide-mouthed feeding bottles.

'CONTINENTAL' TEATS

with built-in valve, to fit semi/wide-mouthed feeding bottles.





BA-BY-BYT TEETHING RINGS

made in best quality rubber in pastel pink, pastel blue and white.



BABY COT, NOAH'S ARK AND COTTAGE DOLL HOT WATER BOTTLES

in pink and blue. Noah's Ark and Cottage Doll are full size bottles in animal and doll shapes; Noah's Ark Series are packed in novelty boxes.

Ask your wholesaler for full list of Cannon Rubber Products today!



National and T.V. Advertising will continue to support Cannon Sales.

THE CANNON RUBBER MANUFACTURERS LTD., ASHLEY ROAD, TOTTENHAM, N.17

A new preparation!



Puromyn

FOR THE PROPHYLAXIS AND TREATMENT OF INFECTIONS OF THE MOUTH AND THROAT

PUROMYN is a palatable formulation employing the established bactericidal action of neomycin sulphate together with a new fungicide — bis-(2-hydroxy-5-chloro-phenyl) sulphide, which has been shown to exhibit a powerful action in controlling overgrowth of oral fungi.

INDICATIONS. Inflammatory conditions of the mouth and throat and oral moniliasis.

FORMULA. Each tablet contains — neomycin sulphate 5 mg. bis-(2-hydroxy-5-chloro-phenyl) sulphide 40 mg.

PACK. Carton of 20 tablets. Trade Price 2s. 10d. + purchase tax.

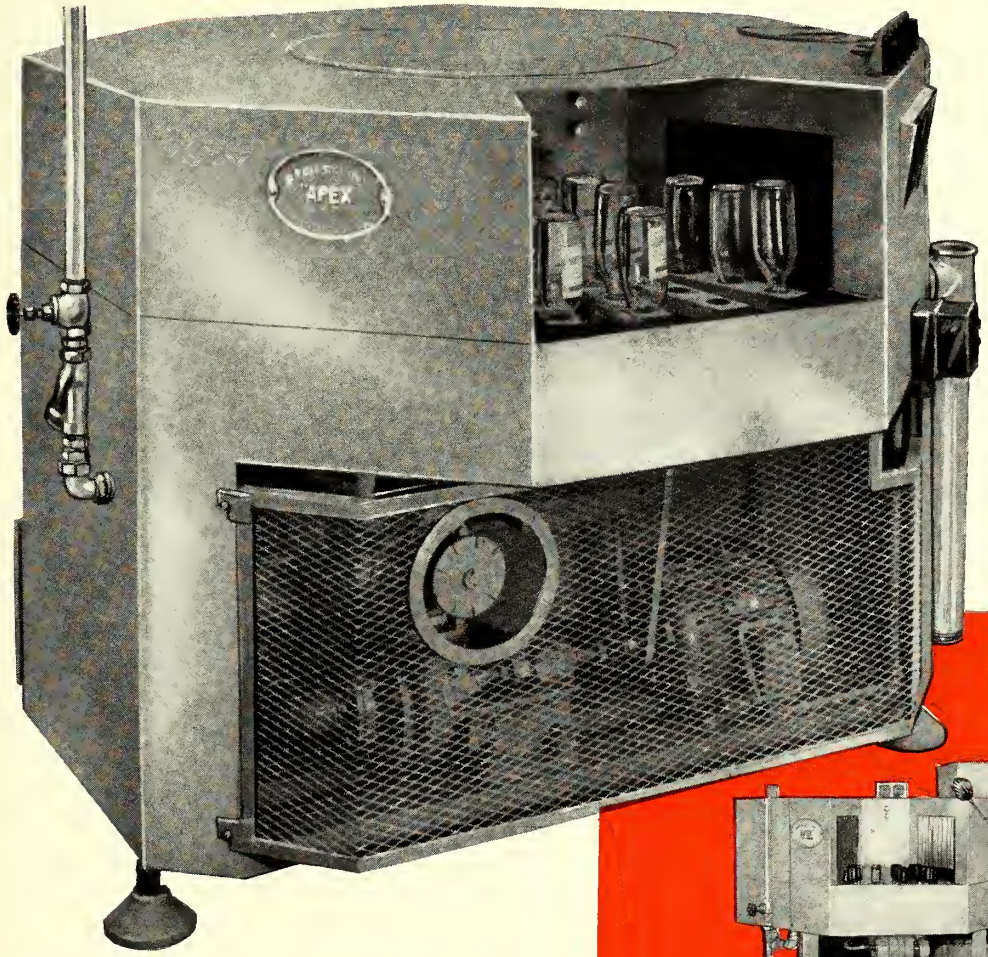
CALMIC LIMITED, CREWE, CHESHIRE. Telephone Crewe 3251 (7 lines)
LONDON: 2 Mansfield Street, W.1. Telephone, Langham 8038/9

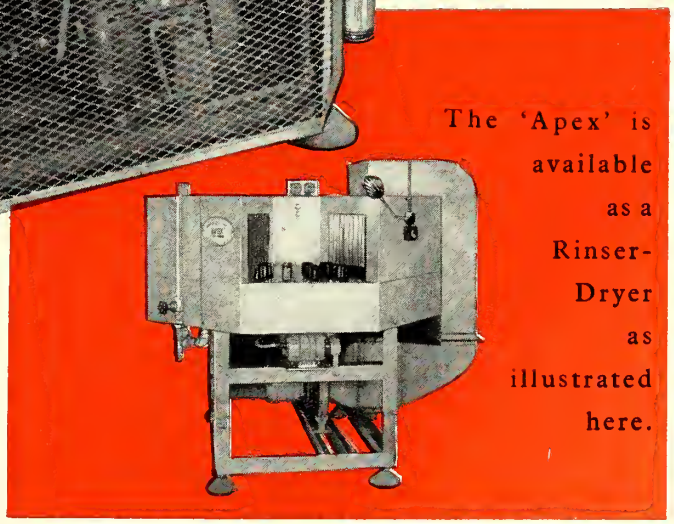
A great little machine at a remarkably low price

Superior cleaning treatment in a surprisingly small floor area

Every kind of bottle, with labels or without

eXceptionally low running costs





The 'Apex' is available as a Rinser-Dryer as illustrated here.

Available in two sizes
1440 Bottles per hour
and
2400 Bottles per hour

THE POWLEY 'APEX' HYDRO BOTTLEWASHER

FOR FULL DETAILS WRITE TO

R. POWLEY & SONS LIMITED, St. Marks Rd., Sunderland, England

Telegrams and Cables "Powley" Sunderland Telephone 4846/7

We can supply bulk vitamins in all categories. Capacity also for large scale ampoule production. Look to Vitamins Ltd. for your vitamins. Enquiries will receive immediate attention.

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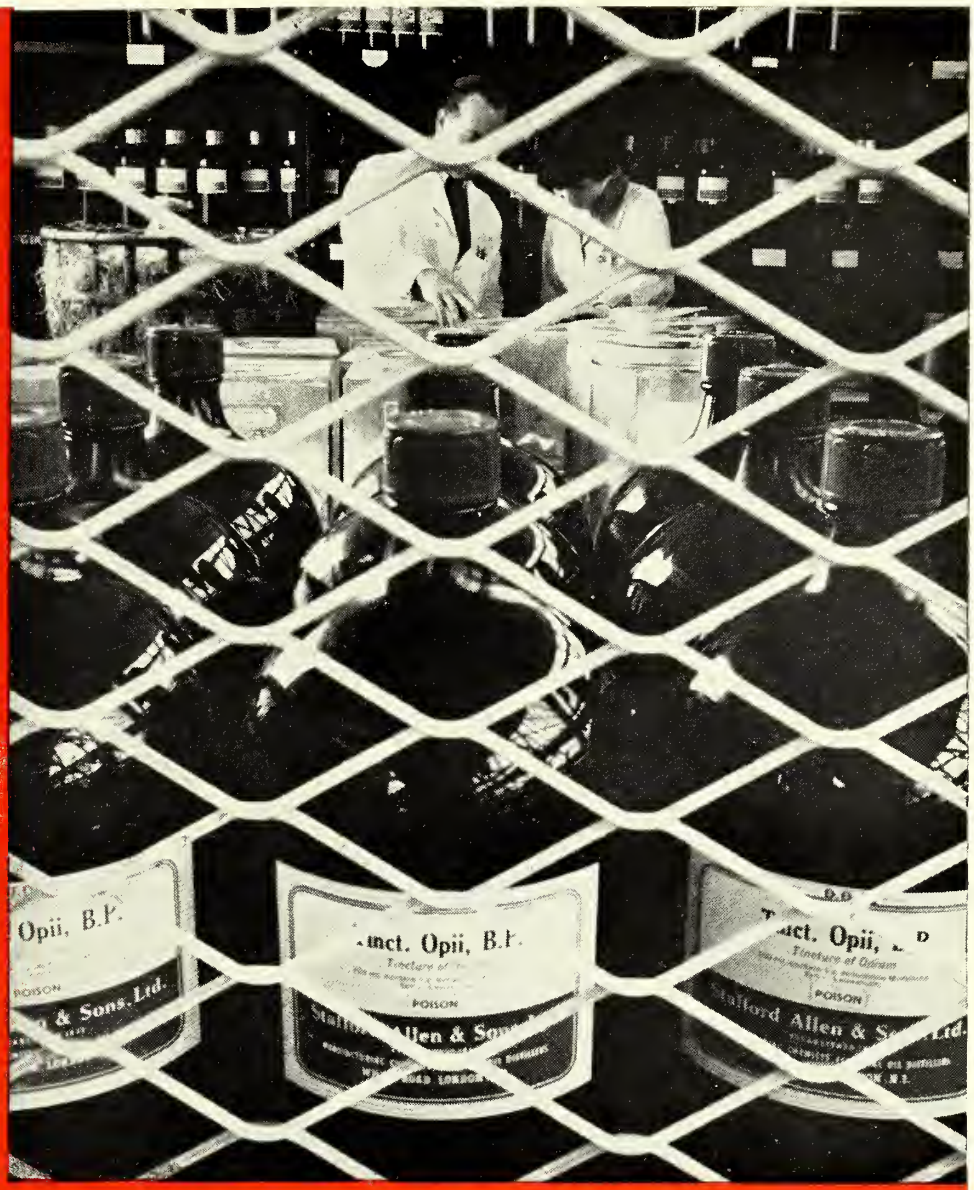


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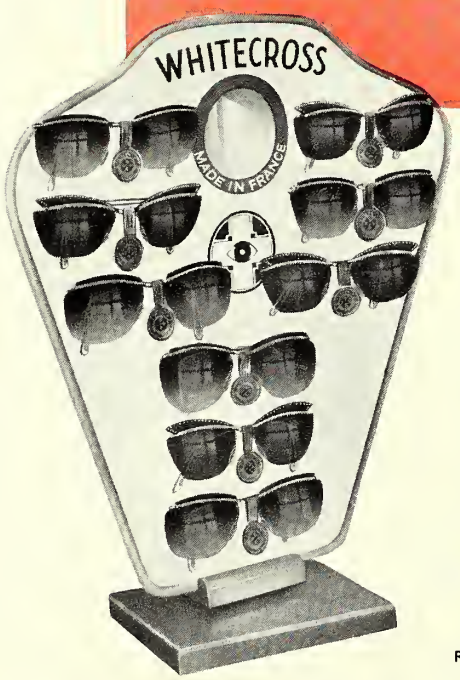
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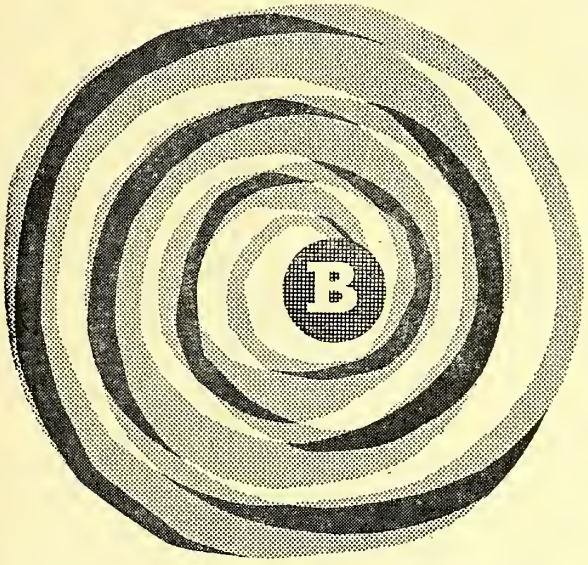
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ESTABLISHED 1859

The weekly newspaper for pharmacy and all sections of the drug, pharmaceutical and fine chemical, cosmetic, and allied industries

Official organ of the Pharmaceutical Society of Ireland and the Pharmaceutical Society of Northern Ireland

Volume 172 December 12, 1959 No. 4165

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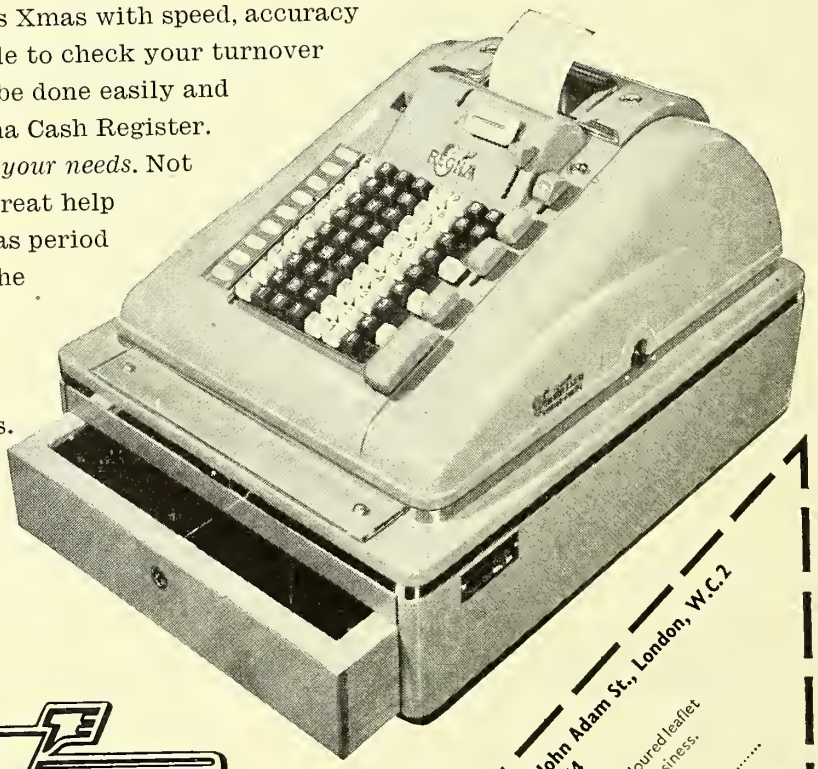
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The CHEMIST AND DRUGGIST

Volume 172 DECEMBER 12, 1959 No. 4165

Central Nervous System Drugs

POISONS BOARD TO ADVISE

"IN general any drug or pharmaceutical preparation which has an action on the central nervous system and is liable to produce physical or psychological deterioration should be confined to supply on prescription."

That is one of the recommendations in the interim report of the Inter-departmental Committee on Drug Addiction set up under the chairmanship of Sir Russell Brain (*C. & D.*, June 21, p. 651). The information was given by Mr. Derek Walker-Smith (Minister of Health) during question time in the House of Commons on December 7 (see p. 527). The interim report is being published shortly. The Committee also recommends that an independent expert body should advise which substances should be so controlled. As a matter of urgency the Minister of Health has consulted the Home Secretary who, in turn, is asking the Poisons Board to act as the expert body, advising which substances should be limited to supply on prescription under the Pharmacy and Poisons Act, 1933. Answering supplementary questions, Mr. Derek Walker-Smith stated that the Ministers concerned were also engaged in a comprehensive review of the whole of the legislation relating to the control of medical substances and were considering what changes should be made.

[For comment on the questions dealt with by the Minister see p. 527.]

The New Codex

OPERATIVE DATE IN BRITAIN

THE Council of the Pharmaceutical Society is recommending to the authorities concerned that the British Pharmaceutical Codex, 1959 (publication date, December 17), should come into force on July 1, 1960. That date is understood to be convenient for National Health Service purposes and for manufacturers and distributors. Overseas authorities are open to fix such dates as are convenient to them.

Selling to Scandinavia

REPORT ON U.K. TRADE

A REPORT published by the Federation of British Industries summarises hitherto unpublished talks which took place earlier in the year at a series of conferences between the F.B.I. and commercial representatives of British Embassies in Denmark, Norway, Sweden and Finland. The conferences held in London, Birmingham and Glasgow were organised to discuss the scope of the Scandinavian market for British goods. The conference found that amongst United Kingdom firms there was too little appreciation of the size and importance of the Scandinavian market. At present British goods were bought there at a rate of £10–20 per head of population. In the United States the rate per head was only 32s. 6d. There existed a feeling that because the four Nordic markets were regarded as "easy" they received too little attention as compared with the "difficult" dollar market. Nordic markets could be opened up without great difficulty by U.K. firms who took trouble to cater for their needs. German success in those markets was the result of sheer persistence in selling drives. Appointment of agents in Nordic countries should be made by personal visits of top management representatives and every use should be made of exhibitions, advertising and market information, according to the report. Copies are obtainable from F.B.I. print and publications department, 21 Tothill Street, London, S.W.1, price 4s.

CIBA Fellowships

GRADUATES INVITED TO APPLY

THE CIBA Fellowship Trust announce that several fellowships are being awarded for tenure during the academic year 1960–61 at Continental universities or institutions for full-time research in chemistry, physics or some other allied scientific subject. They are being awarded to graduates of universities situated in the United Kingdom of Great Britain and Northern Ireland or in the Republic of Ireland, or to members of those universities graduating in 1960. It is anticipated that some fellow-





At left, the committee that arranged the recent Benevolent Fund dance in Belfast. Back row; Messrs. W. T. Hunter, J. Kerr, H. M. Hamilton and J. E. Morley; front row: Messrs. T. I. O'Rourke and J. Caldwell and Mrs. T. I. O'Rourke. At right, Mr. W. J. Moffett being invested by Mr. J. A. Brown (outgoing president) with the presidential chain of office of the Ulster Chemists' Association at the December meeting of the executive.

ships are being awarded to recent graduates and other fellowships to candidates who have already taken their Ph.D. degree, or who have already spent some time in industry. The total value of each fellowship will be determined by an advisory panel. The amount awarded is to be sufficient to cover the Fellow's full living and other expenses (including all fees and cost of travel) during the tenure of his Fellowship, which is for one year, renewable for a further one or two years. Six fellowships were awarded last year for tenure in 1959–60, and CIBA Fellows are at present working at Zürich, Göttingen, Louvain, Heidelberg and Copenhagen. Applications should be made in duplicate on application forms obtainable from the secretary to the CIBA Fellowship Trust, CIBA (A.R.L.), Ltd., Duxford, Cambridge, before January 31, 1960.

Medical Photography

1959 AWARDS PRESENTED

THE 1959 awards of the medical group of the Royal Photographic Society were presented by Dr. Hugh Clegg (Editor, *British Medical Journal*) at the Society's house on November 12, when he opened an Exhibition of Medical Photography. Complimenting the exhibitors on attaining such a high standard Dr. Clegg added that he wished all the illustrations submitted to his journal were of comparable quality. The awards presented were as follows: The *Lancet* trophy (a set of four lancets in a silver case) to Dr. R. Ollerenshaw (Manchester Royal Infirmary). His illustration of the second edition of " British Obstetric and Gynæcological Practice " was judged the best photograph published in the medical Press during the year; three colour prints by the Kodak dye transfer process submitted by Mr. A. L. Wooding, A.R.P.S. (St. Thomas' Hospital Medical School) won the Association of British Pharmaceutical Industry's trophy (a purple medicine flask); the best prints by a medical photographer having held an appointment for not longer than two years were by Mr. R. Morton, A.R.P.S., A.I.B.P. (Westminster Medical School), who received a bronze pestle and mortar, the Pharmaceutical Society's beginner's trophy.

Meldola Medal

APPLICATIONS INVITED FOR 1960 AWARD

THE next award of the Meldola medal is being made in 1960. Gift of the Society of Maccabaeans, the medal is normally awarded annually to the chemist who, being a British subject and under thirty years of age at the closing date (December 31), shows the most promise as indicated by his or her published chemical work brought to the notice of the council of the Royal Institute of Chemistry. No restrictions are placed on the kind of chemical work or the place in which it is conducted. The merits of the work may be brought to the notice of the council either by persons who desire to recommend the candidate or by the candidate himself, by letter addressed to the President, The Royal Institute of Chemistry, 30 Russell Square, London, W.C.1, the envelope being marked " Meldola medal." The letter should be accompanied by six copies of a short statement on the candidate's career (date of birth, education and experience, degrees and other qualifications, special awards, etc., with dates) and of a list of titles, with references, of papers or other works published by the candidate, independently or jointly. Candidates are also advised to forward one reprint of each published paper of which copies are available.

Government Publications

FOR USE JANUARY 1, 1960

A REVISED edition of the Export List, No. 33 (Sale) for articles of merchandise produced or manufactured in the United Kingdom or the Channel Islands and exported, is being published for use as from January 1, 1960. The headings in certain divisions of the list have been revised and attention is drawn to the fact that the notes on exports and re-exports of imported merchandise have been substantially revised. A revised edition of the Statistical Classification for Imported Goods and for Re-exported Goods is also being issued for use on and after that date for the guidance of users of the statistics. The classification sets out the descriptions (and the related code numbers) under which goods imported into, or re-exported from, the United Kingdom or the Channel Islands are classified for the purposes of the published external trade statistics. Both booklets are being published by H.M. Stationery Office price 6s. 6d. each.

IRISH NEWS

THE NORTH

Ulster Chemists

OFFICERS FOR 1959-60

MR. W. J. Moffett was elected *President* of Ulster Chemists' Association (see p. 521) at a meeting of the executive committee held in Belfast on December 1. Mr. J. A. Brown (outgoing president) was in the chair. Mr. H. W. Gamble, O.B.E., was elected to succeed Mr. Moffett as *Vice-president*. Other appointments were:—*Treasurer*, W. J. Rankin (re-elected); *Honorary Secretaries*, C. A. Quinn and J. Paul; *Auditors*, J. A. McRoberts and R. C. McCullough; *Representatives on Joint Council*, W. J. Moffett, W. H. Gamble, O.B.E., J. K. McGregor, N. A. J. Anderson; *Representatives to Belfast Chamber of Trade*, W. L. McDonnell, J. K. McGregor; *Representative to Ulster Tourist Development Association*, A. Steede (re-elected); *Representatives on N.I. Chemists' Benevolent Fund Committee*, W. J. Moffett and H. W. Gamble. Mr. Moffett thanked the executive for the honour they had accorded him and paid tribute to Mr. Brown for his excellent work during his year of office. The following were elected to membership:—Mr. T. J. Killick, 10B Regent Street, Newtownards (successor to Mr. B. Boyle); Mr. T. W. Unsworth, Main Street, Ballynahinch.

Also present at the meeting were Miss C. E. Culbert, Messrs. J. C. Acheson, N. A. J. Anderson, H. S. Anderson, W. H. Boyd, H. Donaghey, H. W. Gamble, R. Gibson, T. A. Gibson, C. L. Gordon-Rattie, M. C. Mooney, J. Paul, A. Steede, A. Templeton, J. C. Wellwood. Apologies for absence were received from Messrs. J. Caldwell, W. L. McDonnell, R. A. McEwen, J. K. McGregor, W. R. McNabb, W. J. Rankin.

On December 3 a dinner was held in Belfast, at which members of the executive committee, their ladies, and a number of guests were present including Mr. J. Caldwell (president, Pharmaceutical Society of Northern Ireland) and Mrs. Caldwell; Mr. W. Gorman (secretary of the Society) and Mrs. Gorman; Mr. H. M. Hamilton (chairman, associates' section, Ulster Chemists' Association) and Mrs. Hamilton; Mr. J. C. Acheson (chairman, Local Pharmaceutical Committee) and Mrs. Acheson. A toast to the president was proposed by Mr. C. L. Gordon-Rattie, and to the outgoing president by Mr. W. H. Boyd.

THE REPUBLIC

Tipperary Association

FIRST DINNER AND BALL

THE first annual dinner and ball of the newly formed Tipperary Pharmacists' Association was held at Cahir, co. Tipperary, on November 26. The Association is the more embracing successor of the Clonmel and District Association, and caters for pharmacists in all co. Tipperary. Pharmacists were present from Kerry, Limerick, Tipperary, Cork, Kilkenny and Offaly. Mr. F. Loughman, T.D. (vice-president of the Pharmaceutical Society of Ireland, and chairman of the Association) presided, and the attendance included the Society's president (Mr. H. P. Corrigan), Mr. J. G. Coleman (registrar), Mr. M. Costello (treasurer), the president of the Irish Drug Association and Mrs. McAuliffe, and the secretary of the I.D.A. (Mr. B. Smith). The toast to the Society was proposed by Mr. Patrick Joy (secretary of the Association) and Mr. Corrigan, in reply, said that he regarded the function as in the nature of a birthday party, with " joy " the keynote! The toast of the Irish Drug Association was proposed by Mr. Edward Connolly, Thurles, and responded to by Mr. Phil McAuliffe, who said that although pharmacists had security and professional qualifications conferred on them by the Society, they had to acquire further knowledge to enable them to run their businesses successfully, and it was in that respect that the I.D.A. was of great assistance. Mr. T. Moran, Clonmel (treasurer of the Association) proposed the toast of the guests. Replying, Dr. P. A. Derivan (president of the local branch of the Irish Medical Association), said he believed there should be closer co-operation between the medical and pharmaceutical professions. He would always work towards that end, and he could pledge his successor in office to do the same. He believed it would be to the mutual advantage of both professions if a similar policy were adopted all over the country.

Benevolent Fund

SUCCESSFUL ANNUAL DANCES

THE Aberdeen hall of the Gresham hotel, Dublin, presented a colourful

scene on the evening of December 1, on the occasion of the annual dance in aid of the Benevolent Fund of the Pharmaceutical Society of Ireland. The capacity attendance of about 500 enjoyed a pleasant night's dancing to the music of Neil Kearns and his band. The function, which is always the social highlight of the Irish pharmacy year, was voted one of the most successful in the series to date, and a fitting "coming-of-age" event. The attendance included the lord mayor and lady mayoress of Dublin and visitors from Britain and Northern Ireland, while many of the young licentiates who had earlier that afternoon received their diplomas took advantage of the occasion to celebrate a memorable day in their lives. Many carnival effects and novelties added to the festive atmosphere. The guests were received on arrival by Mr. H. P. Corrigan (president of the Society) and Mrs. Corrigan. Following supper, a raffle for a well-stocked hamper was won by Mr. Prendergast. Second prize (an electric shaver) went to Mr. Connolly, and the third prize (a coffret of cosmetics), was won by Mrs. MacKenzie. In addition each guest was presented with a programme entitling him to share in a free raffle and the prize-winner, who received an electric shaver, was Mr. Conway. Limerick Chemists' Association held their annual dinner and dance in aid of the Benevolent Fund on November 25, when a large gathering of pharmacists and their friends had a most enjoyable night. The Pharmaceutical Society of Ireland was represented by the president (Mr. H. P. Corrigan) and the Irish Drug Association by Mr. P. McAuliffe (president) accompanied by Mrs. McAuliffe, and by the secretary (Mr. B. Smith). The attendance included the lord mayor of Limerick (Alderman Carew) and a former president of the Pharmaceutical Society of Ireland (Mr. M. Power), who is a member of the Limerick committee.

IRISH BREVITIES

THE REPUBLIC

THE Association of Ophthalmic Opticians (Ireland) at their recent annual meeting elected the following officers: *President,* T. R. Miller; *Vice-president,* L. P. Pelly; *Council,* Miss E. P. Plunkett-Ryan, T. S. Mason, P. McGivery-Nolan, C. F. Bruton, C. Blake, D. Sweeney, M. Hartman, J. Coleman, K. P. Culliton and F. Walker.

THE agreement reached on higher salaries for employees (see *C. & D.*, October 10, p. 287) is effective from the pay day in the week that commenced November 30. Male employees receive 12s. 6d. a week more and females 10s.

NEWS IN BRIEF

THE National Health Service (Regional Hospital Boards and Boards of Management) (Scotland) Amendment (No. 2) Regulations, 1959, that came into operation on December 2, provide for the alteration from three to four years of the terms of office of members of Boards of Management constituted under the National Health Service (Scotland) Act, 1947.

TOPICAL REFLECTIONS

By Xrayser

The Pharmaceutical Society and the Health Service

Are we, with our Pharmaceutical Society and our National Pharmaceutical Union, making the best use of those two organisations? The question is prompted by a reading of the report of the Southern Area Conference held recently at Southampton (pp. 501–02). It was refreshing to find a joint meeting of branches of the Pharmaceutical Society prepared to recognise that, despite Jenkin, there is nothing to prevent a free discussion on such a platform of questions arising out of the pharmacist's participation in the National Health Service. Indeed, there are problems arising from time to time of a professional nature which should be dealt with by our professional organisation, for all is not financial in our dealings with Government. The organisers made a wise choice in asking Mr. H. Noble (secretary, N.P.U.) to survey the field and prepare the way for discussion. One is left with the impression, from what the speaker said, that the principle of negotiation is not popular in departmental or governmental circles, and that the future holds little promise of improvement in conditions. Indeed, the position would seem to be one of stubborn rearguard action on the part of our representatives to hold what we already have, so many and so varied are the attacks by those who hold the purse strings. It seems a pity that arbitration under the Whitley machinery has been discarded because a Court decision went against the management side in Scotland. Had the arbitration tribunal in that particular case come down in favour of the departmental side, would arbitration have been retained? "Negotiation" today is handicapped by the equivocal position of the referee. My recollection, however, is that the pharmacists in Scotland entered the service conditionally in 1948, and that arbitration was promised if negotiations failed to produce agreement.

Prescription charges

Parliamentary answers to questions do not always tell the whole story. Dealing with prescription charges in the House of Commons on November 30, Mr. Walker-Smith (Minister of Health) said that "a person not in receipt of a regular grant from the National Assistance Board could apply for a refund by sending or taking the form which he received from the chemist supplying the drug to the local office of the National Assistance Board. That was a simple procedure." It sounds simplicity itself. But applicants either sending or taking the form will find that they have to satisfy every condition for a regular grant from the Board. There must be a complete investigation into the circumstances of the applicant. In fact, a request for refund is a request for a grant from the National Assistance Board, and that, with respect, is not a "simple procedure." And it is not only the old people who suffer hardship from the charges. Young mothers with several children can find the cost burdensome. The charges have not accomplished the intentions of those who imposed them, and they have caused hardship and embarrassment to those most in need. They are totally opposed to the whole concept of a National Health Service.

Reprieve

The fanciful walk with the gyves upon my wrist which I took last week in the company of the police and an inspector of the Pharmaceutical Society appears to have been implanted in a disordered mind by reading Professor Perry's lecture and meditating on the ease of transgression. It is reassuring, therefore, to read of the humane attitude of the Society's inspectors detailed by Mr. W. R. Roberts (their Chief) in a talk to the Bridgend Branch of the Pharmaceutical Society. From personal experience, I know that the inspectors are helpful and courteous, and, to quote the speaker, "those who are conducting their businesses with a proper regard for the observance of legal requirements have nothing to fear." Will some branch now invite an inspector of police to address them? The season of peace and goodwill approaches.

TRADE NOTES

Limited Supplies in Britain.—Small stocks of Si-ko "anti-alkaline" toothpaste are understood to be available from Sangers, Ltd., 258 Euston Road, London, N.W.1.

In Water-soluble Form. — Astrapharm, Ltd., King George's Avenue, Watford, Herts, point out that their speciality Aquavit presents vitamins A, D and E (normally available only in fat-soluble presentations) in a water-soluble form.

Diffusion and Penetration Agents.—A series of diffusion and penetration agents for pharmaceuticals manufactured by Gattefosse, s.f.p.a., Lyons, France, is being launched on the British market by Jacobson Van Den Berg & Co. (U.K.), Ltd., 3 Crutched Friars, London, E.C.3.

Manufacture Under Licence.—Johnson & Johnson (Gt. Britain), Ltd., manufacturers of Ray-tec *x*-ray detectable dressings, announce that, as a result of an agreement concluded on October 1, they have licensed Robinson & Sons, Ltd., Chesterfield, under British Patents numbers 640,541, 716,923 and 795,870, to manufacture *x*-ray detectable dressings.

"Star" Exhibits.—Among nine British manufacturers awarded "stars" for their Christmas packs on view until December 31 at a "Presents for the Family" display at the Packaging Centre, 50 Poland Street, London, W.1, were D. & W. GIBBS, LTD. (Gloria shampoo gift pack) and RONSON PRODUCTS, LTD. (Christmas "sleeve" for shaver pack).

Winners of Draw.—Thos. Guest & Co., Ltd., Carruthers Street, Manchester, announce the following prize-winners in the company's November draw open to chemists selling Sure Shield iodised throat lozenges. First prize: Meads Wembley Pharmacy, Ltd., Harrow; 2, S. C. Birks, M.P.S., London, E.15; and 3, Thompson Crabtree, Monton, Lancs. The prizes are Premium bonds value £25, £10 and £5 respectively.

Cancer-appeal Christmas Seals.—The Marie Curie Memorial Foundation, Shaw House, Sloane Street, London, S.W.1, which during the past year has established three new homes for cancer sufferers who cannot be cared for in hospital or in their own homes, have prepared a colourful series of greetings seals for sale to aid its funds. Intended for adding to Christmas packets, the seals are available in sheets of seventy-two at 5s. per sheet.

Others Were There First. — The claim of Ernest Lindsay, Ltd., (see *C. & D.*, November 28, p. 470) to be first in the field with a Royal jelly preparation in drinking phials is sharply contested by CHEMIA PRODUCTS (U.K.), LTD., Imperial House, Dominion Street, London, E.C.2, who emphasise that their product Apiserum has been available in drinking phials—and widely advertised as such—for the past six years.—TOM E. HOBSON, LTD., 46 Crooked Billet, London, S.W.19, point out that their product Laidabeille, in drinking phials, was launched some years ago.

"Matt" Overalls in Pastel Shades.—Practical Uniform Co., Ltd., Oldridge Road, Balham, S.W.12, produce a range of Bri-nylon overalls from a new "fully dull" yarn, which gives a matt appearance and a notably better opacity (particularly in white and pale pastel shades) than overalls hitherto available. The Bri-nylon garments have the hard-wearing virtues of nylon and are also easy to wash and quick to dry, and needing little ironing.

Overall Prices Down. — Stranna Fashions, Ltd., Windsor End, Beaconsfield, Bucks, have reduced the price of their standard 4-oz. nylon women's overalls, and are accepting orders for any quantity for dispatch free of post or carriage to any part of the United Kingdom. The Stranna overall is a long-sleeved, button-through garment in five sizes and is available in sky blue, primrose, lilac, royal, flame, sea green, pink, navy and white.

Competition Prize-winners.—International Chemical Co., Ltd., 12 Chenies Street, London, W.C.1, announce the following winners in their national 1959 snapshot competition:—£25 prizes for chemists supplying entry forms to major prize-winners or for issuing grand prize-winner's entry form: Boots, Ltd., Clacton-on-Sea; W. H. Lister, Bexhill-on-Sea; A. I. Lloyd, Guernsey, C.I.; C. W. Firth, Cockfosters, Herts; J. D. Webb, Byfleet, Surrey; D. Jones, Brentwood, Essex, and W. J. Colwell, Grasmere, Westmorland. Winner of the customers' £500 grand prize was Atholl Murray, Grasmere, Westmorland. There were three prizewinners each in sections for "Children," "Pets," "Holidays," "Views," "Pot Luck" and colour-transparency classes.

"Miss Pears" Competition. — The 1960 "Miss Pears" competition to find the prettiest little girl in the United Kingdom, is being launched by D. & W. Gibbs, Ltd., Hesketh House, Portman Square, London, W.1, with a heavy advertising campaign in women's magazines during the weeks ending February 13, March 5 and March 19, 1960. The promoters expect a record number of entries. The competition is again being organised on an area basis, with six heats covering the whole of the United Kingdom. The winner receives £500 and the five runners-up £50 each. Banners giving details of the competitions, and showcards holding entry forms, are available for display purposes. Competitors may enter through counter leaflets or through coupons from the magazines. The competition opens on January 1 and closes on April 4, 1960.

Exhibitions and Fairs

NATIONAL BUSINESS EFFICIENCY EXHIBITION, Bingley hall, Birmingham, May 16–21, 1960. The organisers, the Office Appliance and Business Equipment Trades Association, are arranging for a second national Business Efficiency Exhibition to be held the same year, at Olympia, London, October 3–12. That is to be the first of an annual autumn series of such exhibitions to be staged in London in the future. The Association proposes to hold two national displays in alternate years and one national and two regional exhibitions in the intermediate periods.

INFORMATION WANTED

The Editor would appreciate information about the following:

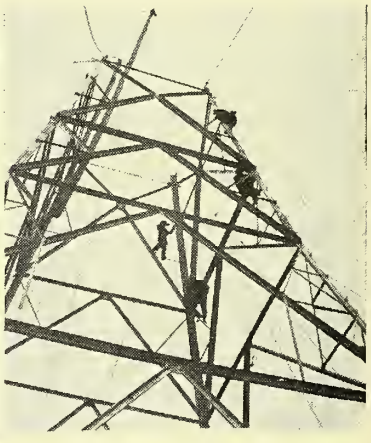
Grepsodin tablets
H.D. tonic tablets

PHOTOGRAPHIC NOTES

Delayed but Out.—The "Entertainment Catalogue" of the G. B. Film Library (Rank Precision Industries, Ltd.), Aintree Road, Perivale, Middlesex, a 140-p. quarto illustrated booklet, whose production was delayed by the printing dispute earlier in the year, is now available.

8-mm. Turret-head Cine Camera. — The cine and photographic division of Rank Precision Industries, Ltd., 37 Mortimer Street, London, W.1, have made available a turret version of the Bell & Howell Autoset 8-mm. home movie camera. The turret head has three focal ranges: for ordinary filming; for telephoto close-ups; for wide-angle pictures. The user can switch from one to another in an instant and the "electric eye" adjusts itself





AWARDS TO YOUNG PHOTOGRAPHERS: Pictures which won for fourteen-year-old Alan Stonier (Lumley secondary school, Skegness) and sixteen-year-old P. J. McMaster (Repton school, Derbyshire) recently trophies in a national competition for school camera clubs organised by the Photographic Information Council.

automatically to the slightest change in light.

Aid in Advertising.—Rank Precision Industries, Ltd., 37 Mortimer Street, London, W.1, announce that the company's public-relations office has available a number of articles on home movies, backed up by photographs of all types of equipment in use, and helpful in bringing more customers into the shop if placed with editors of local newspapers alongside advertisements for Bell & Howell cine cameras and accessories.

Low-priced Transparency Frames.—A new 2 x 2 in. plastic-and-glass transparency holder, the Wiko, now being marketed jointly by Neville Brown & Co., Ltd., 77 Newman Street, London, W.1, and the Pullin Optical Co., Ltd., New Cavendish Street, London, W.1, has a four-part frame of two interlocking plastic sections (one in cream, the other in black) and two cover glasses. The holders have a low price made possible by packaging the frames unassembled, thus saving money in production and eliminating the dismantling of the frames before mounting the transparency.

Scholarships in Colour Photography.—Applications for six Kodak colour scholarships to America to be awarded in 1960 must be received by February 29, 1960. Applications and requests for details should be addressed to the secretary of Kodak, Ltd., Kingsway, London, W.C.2 [a few application forms and leaflets are available from the Editor, *C. & D.*]. The scholarships are intended primarily for suitable students of photography, of either sex, from recognised schools and colleges, but Messrs. Kodak point out that they are open to any person professionally engaged in photography. Applicants must be normally resident in Great Britain or Northern Ireland, and must satisfy certain requirements set out in a memorandum and on the official application form. Successful candidates are given approximately three months' specialised instruction in the laboratories and studios of the Eastman Kodak Co., Rochester, New York, U.S.A. Kodak, Ltd., pay the cost of their return passage from any part of Great Britain or Northern Ireland to New York, their fares to and from Rochester, and their living and incidental expenses while travelling or while residing in the United States for the duration and purposes of the scholarship. The allowance provides for reasonable incidental expenses, and students are covered by insurance for medical services and for certain other risks. Approved expenses are paid to candidates living outside the Greater London area who are invited to London for interview. Instruction is of an advanced standard and includes lectures on theoretical aspects of colour photography, practical studio and darkroom work and short specialised courses in various departments of the Eastman Kodak Co. An exhibition of colour photographs made by the first six holders of the scholarships, those of 1959, were on show at Kodak House, Kingsway, London, W.C.2, December 1–12. The exhibition was opened at a private view on November 30 by Lord Brabazon of Tara. It included 16 x 20-in. prints on Ektacolor print paper from 4 x 5 and 8 x 10-in. Ektacolor negatives and colour transparencies ranging in size from 35 mm. to 8 x 10 in. The 1959 scholarship winners were Miss Rosemary White, A.R.P.S., A.I.B.P., London; and Messrs. Harvey Bennette, Carshalton, Surrey; Terence Jones, A.R.P.S., Wallasey, Ches; Peter Larcombe, East Horsley, Surrey; Alan Marshall, A.R.P.S., A.I.B.P., Corby, Northants; and David Whiting, Luton, Beds.

NEW PRODUCTS AND PACKS

1960 Sun-glasses.—Whitecross Optical Co. (Frederick Lehmann & Co., Ltd., Frederick Works, Rochester Place, London, N.W.1) are offering for 1960 a new range of Whitecross continental sunglasses.

Children's Vitamin Syrup. — Boots Pure Drug Co., Ltd., Nottingham, have introduced a new children's vitamin syrup, Junivite, containing vitamins A, D, B_1, B_2 C and nicotinamide in a palatable syrup medium with concentrated orange juice. Junivite is especially designed for the growing child (from six months old onwards) and is also valuable for expectant and nursing mothers. It is available in bottle of 4 fl. oz. An 8 fl. oz. size will be available shortly.

Tonic for Young People. — James Woolley Sons & Co., Ltd., P.O. Box 279, Victoria Bridge, Manchester, 3, announce the introduction of a new product Cebevite (Woolley), a tonic suitable for children and young people. The product contains iron in a readily assimilable form together with ascorbic acid, folic acid, and vitamins of the B group (including cyanocobalamin). Cebevite has been specially formulated to ensure stability of the iron and vitamins, a problem ordinarily of considerable difficulty. The packs are bottles of 10, 20, 40 and 80 fl. oz.

Lens Cleaner.—Cheapside Enterprises, Ltd., 160 Cheapside, E.C.2, are marketing a neat pocketable lens cleaner, the "Quick Shine." The cleaner comprises an oval-shaped, hinged, coloured, plastic (pvc) folder, size about 2 x 2 in. The inner side of each leaf contains an "ear." When the lens is placed between the "ears" and gently pressed, a small spot of cleaner appears on the lens, which is then polished with a handkerchief and given a lasting sparkle. Within each "ear" is a cotton-wool pad impregnated with the cleansing fluid. The "Quick Shine" is available in dark blue, red and brown for men and blue or red and white with polka dots, silver-grey diamond pattern, blue or red with gold embossing, gold-flecked red and cream flower pattern for ladies.

Swim Caps for 1960.—Kleinert Rubber announce a simplified price structure for their 1960 range of swim caps. There are now six price groups. Colours include aqua, azure and marine blues, ocean green, brilliant yellows, reds and black. All except two of the new caps come without chin straps, and even those are shaped to be worn without strap if desired. Emphasis this year is on decorated caps.

Brighter Household Packs.—Rozalex barrier creams for household use have been reformulated and are now deli-



cately perfumed and issued in the new packs illustrated. On the new tube the appropriate numeral is boldly displayed. No. 1 (for dry chores) is in a pink, and No. 8 (for wet work) in a yellow, tube. The display outer holds six tubes. Distribution to wholesalers commenced on December 1. An advertising campaign to introduce the new creams to the housewife starts in the New Year.



1960 STYLES: Three swim caps from the 1960 Kleinert range. The "Sea Pearl" and "Dutch Maid," each in diothene drawstring bag; and the Carnation.

BIRTHS

GARVEY.—At Leinster nursing home, Dublin, on November 30, to Carmel, wife of Padraic Garvey, M.P.S.I., a daughter.

DEATHS

ALLDEN.—On December 1, Mr. Leslie William Delf Allden, M.P.S., 53 High Street, Greenhithe. Mr. Allden qualified in 1936 and was at one time vice-chairman of the Dartford Branch of the Pharmaceutical Society and a secretary for the local branch of the National Pharmaceutical Union.

BUCKINGHAM. — Recently, Mr. Gordon Neville Ward Buckingham, M.P.S., 61 Frederick Road, Aston, Birmingham, 6. Mr. Buckingham qualified in 1929. *Mr. A. H. Moseley* writes: Mr. G. N. W. Buckingham was apprenticed to his father, the "G.O.M." of pharmacy in Birmingham who died in August. Qualifying in 1928, he joined his father in retail business. I wish to pay tribute to his contribution to pharmacy and the branch. No words of mine could do justice or be of sufficient tribute to the work carried out by Mr. Buckingham for this branch. His overriding skill in finance will leave the branch poorer of its greatest asset. As N.P.U. branch secretary it has been my privilege to work closely with Mr. Buckingham for a number of years, during which time a great personal friendship arose. The impression his personality made upon all who came in contact with him will be the landmark by which he will always be remembered. At the time of his death, he was vice-president of the Birmingham Pharmaceutical Association, treasurer of Birmingham Pharmaceutical Association, and of the Society's local branch of the Pharmaceutical Society and N.P.U. branches. He was also secretary of the Birmingham Minimum Prices Committee, and a director of Associated Chemists (Birmingham), Ltd.

CULBERT. — Suddenly on December 2, Mr. William Spence Culbert, M.P.S., 11 Stirling Street, Airdrie, Lanarks. Mr. Culbert qualified in 1901 and had been in business in Airdrie for nearly fifty years. He took an active interest in all pharmaceutical affairs, and was a former chairman of the Glasgow and South Western Scottish Branch of the Pharmaceutical Society. He was elected a member of the North British Executive in 1929 and was its chairman from 1937 to 1939. He continued as a member of the Executive of the Scottish Department until his death. He was a member of the Council of the Society in 1936–37, and in 1937 was appointed to the Committee of Inquiry which was set up to consider the conditions under which pharmacy was practised in Great Britain and the changes necessary. Mr. Culbert was elected to the General Council of Panel Chemists (Scotland) in 1914, and continued as a representative of Airdrie Burgh for 21 years. Since 1935 he had been an *ex-officio* member of the General Council and the Pharmaceutical Standing Committee (Scotland), and was vice-chairman in 1948–49. In view of his long and varied experience of pharmaceutical affairs he continued to serve as a co-opted member of the Pharmaceutical Standing Committee and he gave valuable evidence in support of the Scottish chemists' claim at the Arbitration Tribunal in 1951. Mr. Culbert also took an active part in the affairs of the Scottish Pharmaceutical Federation and he was a past-president of the Photographic Dealers' Association. He was also interested in local affairs, and was for a few years a member of Airdrie Town Council and was a past-president of the Airdrie and Coatbridge Rotary Club. The chairman and secretary of both the Executive of the Scottish Department and the Pharmaceutical General Council (Scotland) attended the funeral on December 4.



BOWIE.—Recently, Mr. James Bowie, M.P.S., 6 Glendevon Terrace, Edinburgh, Scotland. Mr. Bowie qualified in 1909.

ELLIS.—On November 20, Mr. Stephen Harold Theodore Ellis, M.P.S., 20 High Street, Brecon. Mr. Ellis qualified in 1921.

FORREST. — In hospital, on November 29, Mr. Samuel Henry Forrest, M.P.S.N.I., 43 Bryansburn Road, Bangor, co. Down. Mr. Forrest qualified in Dublin in 1918, and registered in Northern Ireland in 1926. He was a native of Cookstown, and set up business on his own account in Bangor in 1926. He had two pharmacies, one in Main Street, and the other in High Street. He was president of the Pharmaceutical Society of Northern Ireland in 1937, but had since retired from the Council. He was a member of the Local Pharmaceutical Committee from its inception in 1948; a past chairman of the Northern Ireland Branch of the Photographic Dealers' Association; and a member of the Ulster Chemists' Golfing Association. He was president of the Rotary Club of Bangor and was also actively associated with the Masonic Order. At his funeral the Pharmaceutical Society of Northern Ireland was represented by Mr. J. Caldwell (president), the Ulster Chemists' Association by Messrs. J. A. Brown and W. J. Moffett (president and vice-president); the Local Pharmaceutical Committee by Mr. W. H. Boyd; and the Photographic Dealers' Association by Messrs. M. Hodes (chairman), and J. Knox (secretary).

JUDD.—Suddenly, on December 5, Mr. Harold John Judd, a former chairman of United Glass, Ltd. Mr. Judd, who was seventy-five years of age, retired in 1951 after fifty years in the glass industry.

HEATH. — On November 21, Mr. Walter Valentine Heath, M.P.S., 17 Alexandra Drive, Sea View Road, Prestatyn, Flints. Mr. Heath qualified in 1908.

SIBLEY.—On November 18, Mr. Edwin Sibley, aged eighty-five. Mr. Sibley was secretary of The British Drug Houses, Ltd., for thirty-one years until his retirement in November, 1946. During his period of office the company was turned from a private company into a public limited company. In his capacity as secretary of the company Mr. Sibley was known (at any rate by name) to many pharmacists.

PERSONALITIES

MR. F. W. ADAMS, a secretary and the registrar, Pharmaceutical Society, recently spent three weeks in West Africa. He represented the Society at the opening of the new pharmaceutical department at the Nigerian College of Technology, Ibadan, and then visited Ghana at the invitation of the Pharmaceutical Society of Ghana to assist that body in discussions with the government on proposed new pharmaceutical legislation.

MR. W. J. MOFFETT, M.P.S.N.I., who was elected President of Ulster Chemists' Association on December 1, qualified in 1933. He began business on his own account in Belfast in 1936. Mr. Moffett has been a member of the executive committee of the Association for nine years, and for part of that time he has been a member of the Joint Committee. He was also a member of the Northern Ireland Chemists' Federation Committee.

MR. R. E. M. DAVIES, B.Pharm., F.P.S., 10 Lawrence Gardens, Highwood Hill, Mill Hill (a member of the editorial staff, *Pharmaceutical Journal*) has qualified for the degree of M.Pharm. (University of Wales). Mr. Davies was formerly deputy chief pharmacist at the Queen Elizabeth's Hospital for Children, London, E.8. Mrs. Davies, who is also a pharmacist, was recently awarded a Diploma in Archæology after a four-year University Extension course in London.

MR. F. C. G. WICKS, M.P.S., Commercial Road, Southampton, recently celebrated his eightieth birthday but has no thoughts of retirement. Mr. Wicks is a native of Oxford and worked there for the first twenty-four years of his career. After serving in the R.A.M.C. during the first world war he set up in business in Southampton. His premises, destroyed by enemy action, caused him to move the business to a nearby building in the same street. Mr. Wicks is a widower with four daughters.

MR. IAN MACDONALD, M.P.S., who has been elected to the board of A. C. Nielsen Co., Ltd. (see p. 528), joined the company as a fieldman in 1940, and after gaining experience in client service, where as an executive he handled pharmaceutical accounts, he went back to the field department as an area supervisor. He is now retail indexes general field manager. Mr. Macdonald qualified from Edinburgh University in 1936, and worked for a time in retail pharmacy in Scotland. He is a past president, and is now social secretary, of the Oxfordshire branch of the Pharmaceutical Society. He is well known as a speaker at branch meetings throughout the country and has addressed nearly forty branches from Inverness in the north, to Barnstaple in the south.

IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

DURING the debate in the House of Lords on December 3, concerning the pollution of rivers and estuaries, Earl Waldegrave referred to the risks of poliomyelitis and stated that an expert committee of the Medical Research Council was investigating the problem and should report by the end of the year.

Purchase Tax

MR. NABARRO asked the Chancellor of the Exchequer on December 3, having regard to trade dislocation expected in the first quarter of 1960 as in earlier years, due to buyers holding off purchasing articles in the shops subject to purchase tax in anticipation of purchase tax reductions in the April Budget, whether he would make an announcement concerning purchase tax reductions or abolition affecting any or all of the articles concerned, on January 1, 1960. MR. A. BARBER (Economic Secretary, Treasury): "No, Sir." MR. NABARRO asked if that was the conclusive and final statement from the Treasury and was the reply to be interpreted to mean that there would not be any announcement of any description in connection with purchase tax reduction until the budget in April 1960. MR. BARBER "The answer which I gave, which was 'No, Sir,' was very carefully considered."

Dividends

In a written reply on December 3 MR. A. BARBER informed MR. C. OSBORNE that the Chancellor of the Exchequer hoped to discuss with the Federation of British Industries, the Association of British Chambers of Commerce and the National Union of Manufacturers this week his recommendation that increases in profits should be used principally for the two purposes of investment and reduction in prices.

Carrying of Dangerous Substances

MR. F. ALLAUN asked what progress had been made with the discussion of proposals for marking vehicles carrying dangerous substances. In a written reply on December 3, MR. R. A. BUTLER (Secretary of State, Home Department) stated the chemical and road transport industries were willingly co-operating in preparing a scheme for the marking of vehicles carrying dangerous substances. After two meetings with representatives of the industries, a detailed code of marking was now being drawn up.

H3

MR. E. FLETCHER asked the Minister of Health on December 7 what advice the Ministry of Health was giving to the medical profession regarding the drug H.3 discovered by Professor Anna Aslam of Rumania, and whether it was intended to make the drug available in this country. MR. DEREK WALKER-SMITH stated no general advice had been given about the substance. There was at present no satisfactory evidence of the value of the drug against infirmities of old age. If it became generally available it would be classified for National Health Service purposes by the committee under the chairmanship of Lord Cohen.

Health Centres

Replying to a question by MR. L. A. PARITT on December 7, MISS EDITH PITT (Parliamentary Secretary, Ministry of Health) stated that ten new health centres had been opened under the National Health Service and ninety-two general practitioners were working in them. Four more centres were being provided and four more had been approved.

Medical Research Council

MR. D. PRICE asked the Minister of Health what plans he had for extending the activities of the Medical Research Council. MR. DEREK WALKER-SMITH, in a written reply on December 7, stated the Medical Research Council's sphere of activity covered the whole field of medical research, within which its programme was steadily expanding as medical and scientific staff became increasingly available. The Council envisaged a further considerable increase in expenditure in the coming financial year.

C.N.S. Drugs

MR. F. NOEL-BAKER asked the Minister of Health on December 7 what steps he would now take to prohibit the sale to the public without a medical prescription of a habit-forming proprietary containing phenmetrazine hydrochloride. MR. TOM DRIBERG asked the Minister to make a statement on the official procedure for restricting the sale of potentially dangerous and habit-forming drugs; and if he would ensure that, when such drugs came on the market and their use was still experimental, they were available on prescription only. He also asked if the Minister had considered the Interim Report of the Brain Committee, and if he would publish it as a White Paper, and whether the drugs considered by the Committee included a particular tablet that could still be bought without a prescription at many chemists' shops yet, "whose manufacturers themselves advise careful supervision of dose and amounts prescribed, since the side effects could include allergic reactions, fever, fainting spells and bronchial spasms." MR. DEREK WALKER-SMITH stated, "One of the recommendations in the Interim Report of the Interdepartmental Committee on Drug Addiction which is to be published shortly is that in general any drug or pharmaceutical preparation which has an action on the central nervous system and is liable to produce physical or psychological deterioration should be confined to supply on prescription." The Committee had further recommended that an independent expert body should advise which substances should be controlled. As an interim and urgent measure the Home Secretary was asking the Poisons Board to advise him which substances should be limited to supply on prescription under the Pharmacy and Poisons Act, 1933. MR. NOEL-BAKER asked the Minister if he could give an assurance that immediate action would be taken to make it illegal to supply the drug, and others like it, without prescription. He added: "This is a drug of which the sale is illegal in most other countries and about which the firm distributing it in this country has gone on record as saying that it approved entirely of the advice that it should be put on Schedule 4 and should not be available except on prescription." MR. DEREK WALKER-SMITH pointed out that the Committee did not condemn the drug *sub nomine*. MR. DRIBERG asked if the drug would be immediately unobtainable except on prescription, to which the MINISTER replied: "No; it means that, in conformity with the recommendations of the Brain Committee, the matter must now be considered by an independent expert body, which we think in this context should be the Poisons Board."

DR. SUMMERSKILL asked the Minister what he proposed to do in respect of the drug houses who held Press conferences to announce the efficacy of a drug which the medical profession knew full well had not had satisfactory clinical trials? MR. DEREK WALKER-SMITH stated that the supplementary question raised a wider issue. They were dealing with drugs which, according to the Brain Committee, were liable to produce physical or psychological deterioration. What he was asked to do was to see that they could be provided only on prescription. "What doctors should do is a matter for their own clinical conscience and judgment; it is not for me to direct them."

"Deal Comprehensively"

SIR HUGH LINSTEAD suggested that the many supplementary questions indicated how important it was to deal with the subject comprehensively and not isolated drug by isolated drug. The MINISTER agreed and added the action suggested was an interim and urgent measure. "The Ministers concerned are also engaged in a comprehensive review of the whole of the legislation relating to the control of medical substances and are considering what changes should be made." MR. DRIBERG asked the Minister to indicate roughly how long it would be before the drug to which he had referred would be withdrawn from sale without prescription. Was the Minister aware that the manufacturers had said that withdrawal reactions had in some cases taken the form of epileptiform seizures—"though fortunately, so far, suicide attempts have been unsuccessful." In his reply the MINISTER referred to the fact that the timing depended upon the Poisons Board and added "However . . . even now most chemists will only supply these drugs on prescription as a matter of guidance, and not of necessity. I am sure these exchanges in the House today will reinforce that good tendency among chemists."

LEGAL REPORTS

Pharmacist Fined £200

FINES totalling £200 were imposed at Barnsley (West Riding) magistrates' court, on November 30, on Cyril Teasdale, M.P.S., 59 High Street, Wombwell, Barnsley, Yorks, for offences which, said the prosecution, revealed "the grossest possible neglect." Teasdale was fined £75 on each of two offences he admitted of having in his possession Dangerous Drugs not kept in a locked receptacle. He also pleaded guilty to dispensing a medicine otherwise than under the direct supervision of a registered pharmacist and was fined £50. Prosecution said Teasdale was also a bookmaker and that might have had some bearing on the offences. On one occasion an inspector called at Teasdale's shop and a 20-year-old girl took the key from a hook and unlocked a cupboard containing the register and Dangerous Drugs. On October 1 a middle-aged woman took a prescription for tablets on the poison list and the prescription was dispensed by the assistant, who was not a pharmacist. For the defence it was said that the offences were those of carelessness. Teasdale had been a pharmacist for many years and had had his own business since 1939. Teasdale now employed a qualified assistant.

COMPANY NEWS

Previous year's figures in parentheses

A. C. NIELSEN CO., LTD.—Messrs. Ian Macdonald, M.P.S., and William A. Yates have been elected to the board.

MILES LABORATORIES, LTD. — Dr. Charles E. Dalgliesh, M.A., has been appointed to the board as research director (see also p. 530).

CHEMICAL & INSULATING CO., LTD.—As a result of a group reorganisation, the board has been reconstituted as follows:—Messrs. D. J. Grant (chairman), F. R. Gibson (managing director), G. Banks, K. C. Plumbe and F. Sawdon.

P. P. PAYNE & SONS, LTD.—A second interim dividend of 5 per cent. on the ordinary shares is declared in view of the financial period being altered to one of fifteen months to December 31.

COLGATE-PALMOLIVE CO. (United States). — The company may acquire Lakeside Laboratories, Inc., Milwaukee, Wis., U.S.A. (who make "ethical" drug proprietaries) if stockholders approve the transaction which involves $13 millions in stock.

EVANS MEDICAL, LTD. — The directors announce that 94 per cent. of the new Ordinary shares provisionally allotted to Ordinary stockholders have been taken up and that applications for excess shares exceeded the number available for allotment by approximately eight times. Applications for up to twenty-five shares have been allotted in full.

SANITAS TRUST, LTD. — The board has received an offer in cash of 80s. per 10s. Ordinary share—involving £2,744,000—from Wm. Brandt's Sons & Co., Ltd., acting on behalf of Mr. Charles Sweeny and his associates. The directors intend to accept the offer in respect of their holdings and have recommended other holders to do the same.

IDRIS, LTD.—Consolidated net profit, subject to audit and tax, as nearly as can be ascertained, for year ended October 31, is £240,000 (£102,866). Directors propose to recommend gross distribution of approximately £182,500. Subject to acceptance by shareholders within the necessary time of the scheme of reconstruction, and a subsequent two-for-one scrip issue proposed, that would represent a gross dividend of 20 per cent. on the new capital.

JEYES' SANITARY COMPOUNDS CO., LTD., and PETER DIXON & SON (HOLDINGS), LTD.— To strengthen the association between the two companies, a long-term contract has been entered into between Peter Dixon & Son, Ltd. (a wholly owned subsidiary company of Peter Dixon & Son (Holdings), Ltd.), and Jeyes' Sanitary Compounds Co., Ltd., for paper supplies. Dixons are to appoint one of their directors to serve on the board of Jeyes-Ibco Sales, Ltd. (a wholly owned subsidiary company of Jeyes' Sanitary Compounds Co., Ltd.), and Jeyes are to appoint a director to serve on the board of Bronco, Ltd. (a wholly owned subsidiary company of Peter Dixon & Son (Holdings), Ltd.). Messrs. Jeyes' are to subscribe for 41,000 £1 Ordinary shares in Peter Dixon & Son (Holdings), Ltd., who in turn are to subscribe for 68,000 5s. Ordinary shares in Jeyes' Sanitary Compounds Co., Ltd. In both cases the shares so subscribed for have been made available from their respective authorised unissued capitals.

BUSINESS CHANGES

BOOTS, LTD., are opening a new branch in White Horse Square, Hatfield, on December 12.

THE British subsidiary (Dobeckmun Britain, Ltd.) of the Dow Chemical Co., Midland, Michigan, U.S.A., has changed its name to Dow Chemical Co., 48 Charles Street, London, W.1, and has broadened the scope of its activities. The company is taking over direct sales of Dow-produced packaging films and is also to supervise the sales in the United Kingdom of Dow and industrial chemicals produced in the United States and Canada, while continuing to use the services of appointed distributors including R. W. Greeff & Co., Ltd., principal distributor handling chemicals, coatings raw materials and magnesium.

Appointments

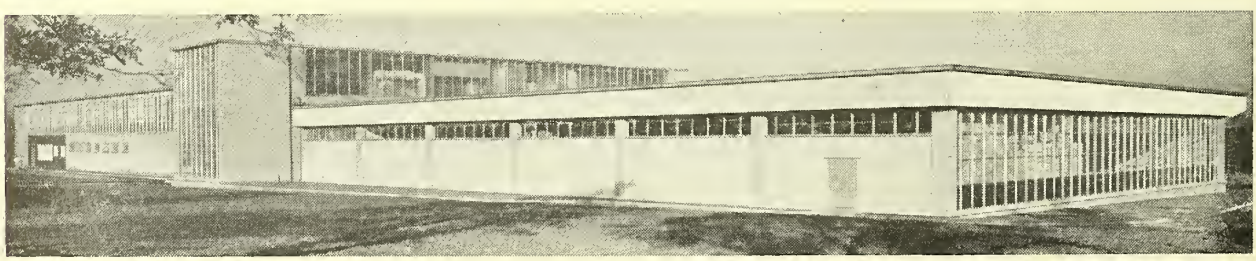
BAYER PRODUCTS, LTD., Kingston-on-Thames, Surrey, have appointed Mr. Bernard Hardisty, M.P.S., assistant promotion manager. Other appointments announced by the company are: Mr. Richard S. Price, public relations officer, Mr. Tom Stewart, M.R.C.V.S., D.V.S.M., general manager, veterinary and farm sales division (a new post) with Mr. Norman Comben, B.Sc., M.R.C.V.S., also joining that division.

PHOTOGRAPHIC INDUSTRY GAIN FOR NORTH

Extensions to Mobberley, Ches, factory of Ilford, Ltd.

EXTENSIONS at the Mobberley, Ches, factory of Ilford, Ltd., make it the main distribution centre for all Ilford goods throughout the North of England. Opening the extensions recently, Mr. W. H. Dimsdale (joint managing director) said that the factory had been coating sensitised photographic paper since 1903. The first occupants of the site were Rajar, Ltd., who combined in 1920 with the Paget Prize Plate Co., Ltd., and Marion & Co., Ltd., to form Amalgamated Photographic Manufacturers, Ltd. A.P.M. was bought out by Ilford, Ltd., in 1928.

The making of the paper is a continuous process—necessitating a seven-day-week, twenty-four-hour-a-day operation and employing a wholly male staff. The finishing process, entirely day work, uses mainly girls. The new extensions include a canteen and first-aid department; offices; a training centre and a whole new section to take over paper-finishing operations previously carried out in London. The centre will also distribute films, plates, etc.



Correspondence

Letters when received must bear the name and address of the sender, not necessarily for publication. The Editor does not hold himself responsible for the views expressed.

No Longer Worth Buying?

SIR,—This Christmas we have noticed a certain sales resistance to Christmas coffrets in the cheaper range, because they are in well known multiple stores. On several occasions customers have stated "Oh! no, we don't want those, they are in W——s'." Have any of your other readers noticed this? If so, here is a field for a new market research. Perhaps the backroom boys are not so clever after all.

M. BANTRY,
Maldon, Essex

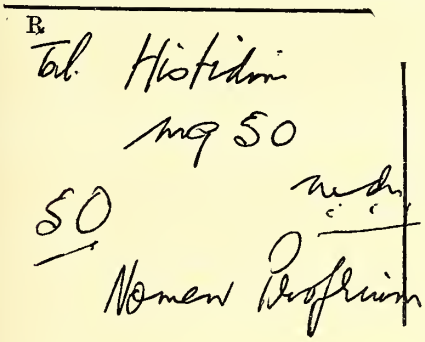
A Timely Word

SIR,—When the Restrictive Trade Practices Bill [now Act] was before the House of Commons I had several goes at it with our M.P. When your leader appeared (*C. & D.*, November 21, p. 453) I thought it too good an opportunity to be missed and I therefore sent him a copy of it. I have had a reply from him stating that "I am in touch with the Economic Secretary about the point you raise and as soon as I have his comments I will write you again." Perhaps, by similar action from brother pharmacists, other M.P.'s might be prompted to plant a fruitful idea in appropriate places.

H. G. A. CRIPPS,
Hitchin

Not in Catalogue

SIR,—We thought the enclosed would probably interest you. It came back because the pricing bureau sought



information as to what was supplied for "Nomen Proprium," the doctor's instructions.

NOMEN PROPRIUM RETENTUM

F. N. Appleyard Fund Appeal

SIR,—The Bradford Branch of the Pharmaceutical Society, jointly with the staff of the Institute of Technology, have launched an appeal for subscriptions to an "F. N. Appleyard Fund." Mr. Appleyard was head of the department of pharmacy at the Institute for over thirty years before he retired recently. Under his leadership the department grew from one room, a staff of two, and a handful of students, to its present size of twenty staff members and 140 students. Mr. Appleyard was also largely responsible for the planning of the department in the new Institute building—a department which, when completed, will have cost approximately £½ million. Mr. Appleyard wishes for no personal presentation, but was happy with the suggestion of an appeal to raise a fund (the F. N. Appleyard fund) to provide an annual prize for a student of the department. It is hoped to raise at least £300. We have compiled a list from the Institute records, so far as is possible, of all students who have passed through the pharmacy department in Mr. Appleyard's time, but we feel that there are many more who would wish to contribute, of whom we have no records, or who are no longer on the register. Will any such take the publication of this letter as a request for a contribution. and send it to:—Mr. W. H. Chanter, F.P.S., 1009 Wakefield Road, Bradford, 4, Yorks?

H. JACKSON, *Secretary*,
Bradford, 4

"Tobacconist" Replies

SIR,—You chemists still puzzle me. In reply to some of the people who have been kind enough to comment on my letter recently published (*C. & D.*, November 28, p. 485) may I say:—

To Mr. Cripps, Hitchin: (a) Not all my customers are addicts. And there are posters in some towns telling them not to smoke cigarettes; (b) my neighbouring chemist tells me that any respectable wholesaler will give full credit for any returned "ethical" (whatever that means).

To Mr. Cooper, Scarborough: Your complaint is that you are becoming a mere hander-over of advertised lines. The next letter (from Mr. Wakeford, Hayle) says just the opposite—that he has to spend time advising his customers on their purchases. You chemists puzzle me!

To Mr. Wakeford, Hayle: Retailers, including chemists, must work for their living. It should be their pride and pleasure to know their goods and be ready to share that knowledge with the inquiring customer. Doctors are surely a chemist's most important customer. Chemists are the people who know most about drugs. I cannot believe that chemists are unknown to their local doctors. What a state we would be in if, say, builders' merchants, builders and architects went their separate ways! I can hardly believe that chemists and doctors do not help each other. Surely the drug firms' travellers are ready to give retail chemists information to pass on to the doctors, and if a chemist cannot assess the information he gets—well, what are all those letters after his name for?

TOBACCONIST

How to Discourage Self-medication

SIR,—Much correspondence has been published of late in the pharmaceutical Press on the subject of the Council statement on central nervous system drugs. From reading them one gathers that the majority of the rank and file of retail pharmacists would be more inclined to accept restrictions on their business activities if their elected representatives were to take commensurate action to safeguard the livelihood of the retail electorate. (One wonders if the Council statement impinges on the Restrictive Trade Practices Act.) If the Council seeks to discourage the public from self-medication and to raise the prestige of the retail pharmacist there are two lines of action, which, whilst furthering those aims would be more acceptable to the majority of retail pharmacists than the recent statement. I suggest that the Council should discourage the sales promotion in all registered premises, and in official publications of the Society, of any medicinal preparation that is available to the public through non-pharmaceutical outlets; and secondly that it should "forbid" the sale in registered premises of such merchandise as groceries, tobacco, stationery, etc., and the provision of meals and library facilities. By terminating the advertising of medicines which are on unrestricted distribution the Council would demonstrate to members that matters of professional conduct are of greater moment than considerations of monetary gain, and would place the Council in a better position of authority when asking for the co-operation of the members.

T. W. BARNACLE,
Coventry

Prescription Shortcomings

SIR,—Your report "Death from an overdose" (*C. & D.*, November 28, p. 473) calls for a few observations upon the slipshod present-day methods of writing prescriptions. In this case thirty-two doses were called for. Assume the dose was one level teaspoonful, then, according to his evidence, the prescriber would write:

℞ Pulv. xyz 3i
Adde—Amphet. sulph. 3 mgs.
Mitte 3iv

I have seen such prescriptions written

Amphet. sulph. 3 mgs.
Pulv. xyz ad 1 dr.
Send 4 oz.

The latter would mean, strictly, 3 mgs. in $\frac{437{\cdot}5}{16}$ grs. but as 60 grains is always regarded as a drachm in pharmacy, the patient would get $\frac{480}{8}$ grains containing 3 mgs. of Amphetamine sulph., which is virtually the same as in the former case per dose. Now let us consider the two correct ways of writing the prescriptions:

(1) Apothecaries' system (64 mgs. to grain, thirty-two doses required).
℞ Amphet. sulph. gr. 1½
Pulv. xyz ad 3iv
i.e. 1 in 1280.

(2) Metric system
Amphet. sulph. 0·08
Pulv. xyz 100·00
Send 120 gr.
i.e. ·08 of a gram in 100 grams
i.e. 1 in 1250.

The knowing of the relative apothecary and metric doses is of course of paramount importance to both prescriber and dispenser. On the other hand the mixing of metric with apothecary and sometimes with avoirdupois abreviations leads to much confusion. The jumbling of Arabic with Roman numerals in the same prescription tends to intensify the confusion. The same remark applies to vulgar and decimal fractions. It took me six months to educate a physician to the fact that the dose of dexamphet. sulph. was not 3¾ grains! (Unless he was under the impression that there are 10 milligrams in a gram.) He habitually wrote prescriptions for

Tab. dexamphet. 0·5
Mitte 24 Cap ½ Bis die

All medical students should be taught:

(1) To write Apothecary system prescriptions with Roman numerals and Apothecary abbreviations. The prevalent idea that 3i may be confused with 3i is just foolish;
(2) To express metric weights or measures as decimals of the finished product, which should always be 100, never as so many milligrams, for one has to remember that a milligram is one *millionth* part of a kilo (approximately 70 oz. avoir.) and millilitre is one thousandth of a litre (approximately 35 fl. oz.).
(3) Never to mix metric weight and Apothecaries' weight in the same prescription.

Much would then be done to prevent mistakes, for the pharmaceutical student would learn to think in the metric system instead of having to convert from one system to another as at present (like a foreigner speaking English).

None of us is infallible, but bad handwriting (as mentioned in this case) plus confusion of the two systems is not making the pharmacist's lot an easy one.

G. LLOYD THOMAS,
St. Albans

Centenary Congratulations

SIR,—Over fifty years ago, as honorary secretary and treasurer of the Pharmaceutical Society of the Transvaal, I occasionally sent to THE CHEMIST AND DRUGGIST small reports of pharmaceutical happenings in that region. Nearly all chemists and druggists in the Province, as it was at that time, were members of the Society, and THE CHEMIST AND DRUGGIST was in general considered its official journal. Not that we were an official body, but under the Medical, Dental and Pharmacy Ordinance, 1904, we supplied examiners of candidates applying for registration as chemists and druggists. The Ordinance was, of course, a concomitant of recovery after the Boer war, from which all South Africa was still in the throes of its aftermath. Johannesburg, in particular, had its complications of the Chinese slavery problem and the emergence of Gandhi, whose office was round the corner from where I worked and at which my friend for the time being was articled. I was employed by a firm of chemists and druggists who were also large suppliers of chemicals, apparatus and assay material to the mines. The firm was also an agent and stockist of Morgan crucibles. Its founder had been an *Apotheker*, who would have arrived twenty years earlier in a covered wagon drawn by oxen and to pitch his tent on the newly discovered goldfields. No doubt Morgan Brothers (Publishers), Ltd., will know a great deal about what is known as the Copper Belt. That corner of Africa was vast, desolate and silent as the surrounding ant hills when I passed through on a journey to Elizabethville, then hardly twelve months old: a collection of huts in the clearing of the forest. But the Cape-to-Cairo railway had arrived. After a short spell in Bulawayo I went back to Johannesburg and subsequently sailed up North to British East Africa. In Nairobi I joined in partnership with Mr. L. A. Howse and in due course we pioneered as chemists and druggists in Kenya, Uganda and Tanganyika. But that is another story which, with additional inexactitudes of memory, could not be compressed into a letter. On seeing a reference to the centenary of THE CHEMIST AND DRUGGIST, and remembering something of my early puerile efforts sent to the Editor, I was prompted to send my own best wishes on this the Centenary of THE CHEMIST AND DRUGGIST. It is surprising that my efforts were ever published: possibly *Ex Africa semper aliquid novi* had something to do with it. But it is to be hoped that all the nonsense written, broadcast and talked about present-day Africa will soon have no news value. Many years ago I ceased to be an M.P.S. though, presumably I could still call myself a chemist and druggist. Actually this letter is a geriatric exercise, which has included the looking up of notes. When J. Rutherford Hill was still in charge at York Place I paid him a visit one day and saw some bound copies of your journal and, remembering some war news I had sent I looked up the approximate dates: December 1914 and January 1915. There, surprisingly, were my contributions, both heavily censored. As a budding war correspondent I fear I was not too discreet. All correspondence ceased in any case. It even became difficult enough to communicate with my wife or with my partner in business; both I had left within a few hours of being packed off to the front in the first week in September 1914. I had volunteered, and was continually on active service during four-and-a-half years, often in remote places in Central Africa, news of which might then have delighted Pliny, but which are now become almost as well known as the City of London.

R. MACGEORGE,
Edinburgh, 5

Appreciated

I WOULD like to add my congratulations to the many you must have received on your Centenary number. Simply as a reader I have been terrifically impressed by the high standard of writing, illustration, editing, layout and production, but more than that I have found the whole thing really interesting to read and look at. I was particularly interested in the article on putting the paper to bed. The colour pictures are extremely effective.—BASIL SAUNDERS, London, S.W.7.

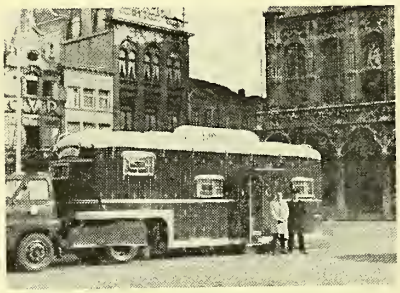
AS I have now retired I shall no longer be continuing my subscription. I shall be sorry to drop "The Pilot" for pilot it has proved on many occasions during my association of over fifty years in pharmacy. I first became acquainted with your journal during my apprenticeship days in 1900 and I think I can honestly say that I have read almost every issue since that time. I only ventured once during that period to have the audacity to rush into print, and that was in your issue of January 25, 1913, when you very kindly published an article by me on my "Minor Experiences" entitled "A Minor Comedy."—*G. J.* ["Minor Experiences" was afterwards published as a book by the *C. & D.*]

MANUFACTURERS' ACTIVITIES

Display Competition Results. — Several chemists took part in a window-display competition for Ever-Ready torches and batteries organised by the manufacturers, Ever Ready Co. (G.B.), Ltd., Hercules Place, London, N.7, in conjunction with their annual "selling fortnight" campaign.

New Head Office Planned.—British Oxygen Co., Ltd., have completed arrangements to lease a large modern office building for their head office near Hammersmith. Construction is to start almost immediately and it is expected that the move from the present premises in St. James's, S.W.1, will take place in two or three years time.

Offices and Research Centre.—Miles Laboratories, Ltd., have purchased Stoke Court, an old country mansion at Stoke Poges, Bucks, and are restoring and converting it to house the company's headquarters and a new research division: the Miles-Ames Research Laboratories, under Dr. C. E. Dalgliesh. The new headquarters are expected to be ready in the summer of 1960. The laboratories represent the first basic research centre set up by the Miles organisation outside the American continent.



MOBILE SHOWROOM: Now making a tour of Belgium and the Netherlands to show to retailers the products of Cussons, Sons & Co., Ltd., Kersal Vale, Manchester, 7, the mobile showroom illustrated was photographed in the market square of the Cathedral town of Malines, Belgium.

LICENSING CEREMONY IN DUBLIN

Ninety-eight new pharmacists in the Republic

THE big academic event of the year at the College of Pharmacy, Shrewsbury Road, Dublin, took place on December 1 when ninety-eight young men and women who had graduated as licentiates of the Pharmaceutical Society of Ireland, received their certificates from Mr. H. P. Corrigan (president of the Society). The assembly hall was packed to capacity for the occasion by parents and friends of the new pharmacists.

Welcoming the parents of the new licentiates, THE PRESIDENT said that it was fitting that they should share in the joy and achievement of the occasion because without their help and encouragement the successful candidates, for whom the day was a climax to years of hard work, might not be able to come forward to receive their fitting reward.

The lord mayor and lady mayoress of Dublin were present to see their son, Mr. Philip Brady, receive his certificate. Members of the Society's Council present were Messrs. M. Costello, G. C. O'Neill, T. B. O'Sullivan and R. J. Semple. The examiners present were Drs. R. F. Timoney (dean of the College), D. Twomey and Miss Alice Esmonde, and Messrs. E. Philbin, B. P. Hickey, C. S. O'Connor and M. Mulreaney. The Society's registrar (Mr. J. G. Coleman) was also in attendance.

List of New Licentiates

Licences with first-class honours were conferred upon Miss Audrey Isdell, Merville Road, Stillorgan, co. Dublin, and Miss Mary Webb, Castlerea, Roscommon.

Licences were conferred upon the following:—

Deirdre BANIM, 33 Alma Road, Monkstown; Margaret BANKS, Bruree, co. Limerick; Evelyn BONAR, Dungloe, co. Donegal; T. BOURKE, Navan, co. Meath; P. BRADY, Leicester Avenue, Rathgar; Kathleen BRODERIC, Listowel, co. Kerry; Joan BURNELL, Chapelizod, Dublin; J. B. BYRNE, Ballyhaunis, Mayo.

J. A. CAHILL, Meath Street, Dublin; T. CAHILL, Mitchelstown, co. Cork; Nora M. CARRON, Carrickmacross, co. Monaghan; Catherine CONNELLAN, Rathkeale, co. Limerick; Dympna COOKE, Dunmore, Galway; A. COLEMAN, Dundrum, co. Dublin; J. J. CORCORAN, Bray, co. Wicklow; E. R. CORCORAN, 53 Main Street, Longford; M. CONNOLLY, Main Street, Longford; T. COSGROVE, 145 Capel Street, Dublin; P. CROWLEY, Mountfalvey, Scartaglin, co. Kerry.

Mrs. Marry D'ARCY, Blacklion, Greystones, co. Wicklow; Etna DEERY, Drumhirk, Monaghan; O. DENENY, Elgin Road, Ballsbridge; W. DOLAN, Mountbellew, Galway; D. DROMEY, Victoria Avenue, Cork; L. DUKE, Round House, Lucan, co. Dublin; Bridget FALLON, Balla, Mayo; Mrs. Mary FEE, Birmingham, England; J. D. FENNESSY, Glen Abbey Road, Mount Merrion, Dublin; T. FEERICK, Ballinrobe, co. Mayo; K. FITZMAURICE, Church Road, East Wall, Dublin; Kathleen FITZPATRICK, Ballacolla, Laoighis.

Susan GANNON, Drumcong, Carrick-on-Shannon; Marita GIBBONS, Ballinacurra, Limerick; E. GILSENAN, Castlepollard, Westmeath; Elizabeth GUCKIAN, Ballinrobe, Mayo; Catherine HARNETT, Duagh, Kilmorna, Kerry; T. A. HOGAN, Fairview Strand, Dublin; Teresa HUNT, Ballymote, Sligo; J. A. KENNEDY, Westport, co. Mayo; Ellen KILLIAN, Knockcroghery, Roscommon; Carmel KIRRANE, Callow, Ballina, Mayo; Harriet KISSANE, Main Street, Tipperary.

Mrs. Renu LANCASTER, York Road, Dun Laoghaire; Elizabeth LAVIN, Ranelagh, Dublin; T. LEAHY, Navan Road, Dublin; V. F. LEDWITH, Main Street, Longford; Catherine LEO, The Square, Tuam; D. LYNCH, Mayfield, Cork.

D. MARRON, Clane, co. Kildare; M. MARTIN, Carlingford Road, Drumcondra, Dublin; Mary P. L. MULLOY, Pearse Road, Sligo; K. MOORE, Blackrock, co. Louth; J. V. MORAN, Elphin, co. Roscommon; Mrs. Anastasia MURPHY, Tullow, co. Carlow; Mrs. Mary C. MURRAY, Terenure, Dublin; W. P. MURRAY, Oriel Hotel, Monaghan; Mrs. Bernadette McCANN, Grattan Street, Sligo; Mrs. Mary McCARTHY, Corbally, Limerick; J. McCORMACK, Kilcock, Kildare; Sheila McCREADY, Buncrana, Donegal; Mrs. Ellen McDONNELL, Dunboden Park, Mullingar; Joan McENTEGART, Navan, co. Meath; T. McGIOLLA RIOGH, Ranelagh, Dublin; Ursula McGOLDRICK, Presentation Road, Galway; Teresa McLAUGHLIN, Carndonagh, co. Donegal; Mrs. Sheila McNELIS, Goatstown Road, Dundrum, Dublin; Margaret McSWEENEY, Blarney, Cork.

Mrs. Anne NOLAN, Clontarf, Dublin; J. C. NOLAN, Station Road, Portlaoise; T. J. NOLAN, Westport; J. F. O'BRIEN, East Ham, London; J. O'BEIRNE, Canada Street, Waterford; M. O'BRIEN, Moyne Road, Rathmines; T. O'BRIEN, Ardagh House, Killarney; D. O'CONNELL, Ilen Street, Skibereen; Ann O'CONNOR, Friars Walk, Cork; Mary M. O'CONNOR, Medical Hall, Cahirciveen; Mary O'DOHERTY, Tample, Charlestown, Mayo; Mary U. O'DOHERTY, Belgrave Square, London; Mary O'DONNELL, Castlemaine, co. Kerry; T. O'DWYER, 12 Ashdale Park, Terenure; P. O'LEARY, Dublin; M. POWER, Cork Road, Limerick.

Julia QUILTY, 12 Bridge Street, Navan; Martina QUINN, Strokestown, Roscommon; J. C. REILLY, Castlerea, Roscommon; P. REILLY, Kilnaleck, Cavan; Claire RYAN, Northumberland Road, Ballsbridge; Mary SEWELL, Medical Hall, Killarney; Ellen SHANAHAN, Friars Hill, Wicklow; M. SHARKEY, Strokestown, Roscommon; Margaret SHEA, Dangan House, Galway; T. TRACEY, Ballinrobe, Mayo; E. TIERNEY, Lecarrow, Roscommon; B. TWOMEY, Cobh, Cork.

D. WALSH, Dungloe, Donegal; Julia WALSH, Maam, Galway; Mary WOODS, Fortfield Road, Terenure.



CHIEF CITIZEN AND GRADUATE SON: The Pharmaceutical Society of Ireland presented licences to successful students at a ceremony at the College of Pharmacy, Dublin, on December 1. In the picture the lord mayor of Dublin, Alderman Phil Brady, T.D. (an ex-president of the Pharmaceutical Society of Ireland) is seen congratulating his son Phil, jun., on receiving his licence. At rear is the president of the Society (Mr. Hugh P. Corrigan).

President's Address

THE PRESIDENT, in his address, said he was anxious to impress on the young licentiates the importance of keeping uppermost in their minds the ethical and professional aspects of their calling, and of maintaining at all times the highest standards of professional conduct and integrity. The first paragraph of the "Principles of Pharmaceutical Ethics" stated "Pharmacy has for its primary object the service which it can render to the public in safeguarding the handling, sale, compounding and dispensing of medicinal substances." It was clear that service to the public was the pharmacist's first professional duty. Pharmacists found it necessary when "keeping open shop" in the pursuit of their profession to engage also in trade; but the primary and all-important function for which they were created by Statute—the compounding and dispensing of medicines and the mixing and sale of poisons—transcended their other activities. "We should take a rightful pride in our calling which has an ancient and honourable tradition. I would urge you to continue to exercise an active interest in the pursuit of knowledge and in pharmaceutical developments. If you have not already done so, become members of the Society, read the pharmaceutical journals and avail of post-graduate lectures and courses. To those of you who contemplate opening pharmacies of your own, or managing existing pharmacies, I should like to advise you to associate yourselves as fully as possible with the community and public life of the town or area in which you practise. To those of you who take up positions with manufacturing firms, as representatives

of manufacturing houses, or as hospital pharmacists, I should like to advise you to associate yourselves with the organisations which have been established by your groups. Pharmacy is not just the familiar friendly chemist's shop; or just the essential distributive functions of the wholesale druggist; or just the vast pharmaceutical manufacturing plant; or just the creative research laboratory; or just the therapeutic storehouse of the hospital; or just scores of other less obvious activities that form the bridge between knowledge and health. Pharmacy is all these."

The president said that in the Republic pharmaceutical industry was developing and he foresaw opportunities for young licentiates that did not exist a few years ago. "Although we are coming into that field later than our colleagues in other countries, we have at least the benefit of their research and technical experience. In that connection I should inform you that two years ago your Council expressed the view that there should be established in this country a pharmaceutical control laboratory, similar to laboratories conducted by pharmaceutical societies in Continental countries. The type of control laboratory envisaged is one to which manufacturers would be obliged to send their products for assay; and only a product which satisfied sufficiently high standards would be permitted to reach the market. Such a system would safeguard the interests of the public, would stimulate the attainment of the highest possible standards and would maintain the prestige of Irish-made medicines. I do not think that anyone will dispute the Society's contention that only the highest standard is good enough for medicinal preparations. Let me impress upon you that the establishment of a pharmaceutical control laboratory would not be a reflection on Irish manufacturers since all medicinal preparations, manufactured in this country or outside, would have to obtain the imprimatur of the control laboratory before reaching the market. It seems to me that advantage should be taken of the present and potential resources of this College, which has many pharmaceutical interests and no commercial affiliations, for the location of a pharmaceutical control laboratory."

NORTHERN IRELAND HEALTH BOARD

£15 15s. Penalty on a chemist

INVESTIGATIONS into complaints against two chemists were submitted to the November meeting of the Northern Ireland General Health Services Board. In the first case it was alleged that a chemist was in breach of his terms of service in that equipment in his premises did not include Troy weights, autoclave, dispensing screen or current editions of the B.P. and B.P.C. and that a supply of hot water was not available; and that the words "Prescriptions Dispensed" were displayed in the window and on the outside wall of the premises; and that a leaflet issued under the heading "Grand Holiday Bargains" contained the words "Pharmacy Department, Prescriptions Dispensed Promptly." The pharmaceutical services committee reported that the chemist said he wanted to make no excuses or tell any lies and admitted his "guilt."

In reply to questions the chemist had explained that he and another man sent to a firm of printers at the same time separate advertisements for printing but, through some error that he could not explain, they became combined, the result being the leaflet in question. Questioned by the committee chairman, he accepted full responsibility for the wording of the part of the leaflet referring to his pharmacy. His pharmacy was now fully equipped.

The committee found that the chemist was in breach of his terms of service and recommended that £15 15s. should be recovered from him.

The second case referred to a chemist who, it was alleged, was in breach of his terms of service in that his premises were not open for the provision of pharmaceutical services for his contract business hours on October 2, 3 and 5. The committee reported that the chemist had admitted being at fault and "deserved the trouble he had brought on himself." He had been unable to get the services of a locum for the weekend in question, although he had tried hard, and, not having had a holiday at all that year, he took the chance of closing his shop. He was now forced through circumstances to close down his business and had so informed the Board. The committee found that the chemist was in breach of his terms of service but, in view of the fact that the chemist was closing his shop, recommended that the Board should take no action. The reports were approved.

Mr. G. D. Stewart (secretary to the Board) drew attention to a recent court case in which a woman had been fined £20 for making an addition to a prescription. That was something that happened all too frequently, he said, and the Board welcomed that indication that such an offence was considered serious.

OPTICIANS BOARD

Four pharmacists elected

FOUR pharmacists are among six successful candidates elected to the Opticians Board of Ireland. There were five vacancies for ophthalmic opticians and one for a dispensing optician. Pharmacists elected were Messrs. T. R. Miller, M.P.S.I., L. P. Pelly, M.P.S.I., Dublin; D. D. Sweeney, L.P.S.I., Sligo; W. Dalton, M.P.S.I., Banagher. All had previously been members of the Board as nominees of the Minister for Health. Although the Board has been functioning since the passing of the Opticians Act in 1956 up to now all appointments were made by the Minister. This was the first election. The main provisions of the Act came into force on December 1.

TELEVISION IN WORK STUDY

Practical applications at retailers' conference

CLOSED circuit television was used at a Hinckley, Leics, shop to illustrate to retailers attending a four-day work study conference how improvements could be made to existing arrangements. The television camera was positioned so that it could not be seen by customers and normal business conditions for the experiment were assured by keeping the name of the shop secret.

Delegates to the conference, which was arranged by Hinckley productivity committee in conjunction with Hinckley chamber of trade, watched a television screen situated in a disused cafe above the shop. After discussion they were asked to present to the shop's proprietor a report containing suggested improvements. Mr. R. G. Lacey (work study officer, British Productivity Council), who conducted the course, explained that the object of the exercise was to use charts, diagrams, activity sampling and till counts in working out schemes to improve the layout of the shop. That meant that delegates, working in two groups, were expected to suggest improvements that would minimise queueing at busy periods, thus enabling more customers to be served and reducing lost sales. Secondly it was important to make the work of the assistants less tiring. Other important points were to encourage impulse buying and decrease congestion at busy periods. The delegates who had attended an earlier course (see *C. & D.*, March 14, p. 283), were asked to list in their reports the disadvantages of the existing system. They were also instructed to list the new equipment necessary for their proposed new layouts and to estimate the cost. An account of each proposed new layout was required and delegates were invited to describe any long term project they felt might be beneficial. In addition to a written report, charts and diagrams, the groups were asked to provide large visual aids for presentation to the shop's proprietor.

All customer movement between specific points was recorded on a travel chart. Two charts were taken, each representing fifteen minutes' movement. All till transactions were counted and recorded every three minutes and the position in which customers stood to be served was also recorded. A small plan of the shop was prepared beforehand and the position of the assistants was recorded on it every five minutes, when the number of customers in the shop was also recorded.

One member of each group had to choose ten customers at random and follow each from time of entering until leaving the camera's view. The movements were then plotted on the shop plan. Another member of each group conducted a pilot activity sampling scheme. Suggested movements for inclusion were waiting, serving customers, walking to, or with, stock, selecting goods for customers, "tilling," weighing, receiving money and giving change, tending or tidying stock, time out of camera's range, wrapping and placing goods in bag.

Mr. Lacey estimated that if an outside consultant had been engaged for the work done by the groups it would have cost the proprietor about £200.

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Tablets 25 mg. bottle 100
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The CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

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TELEGRAMS: "CHEMICUS ESTRAND, LONDON"

Temporary Poisons?

"EVEN now most chemists will only supply these drugs on prescription, as a matter of guidance and not of necessity. I am sure these exchanges in the House today will reinforce that good tendency among chemists." With those words the Minister of Health terminated the exchanges during question time in the House of Commons on December 7, when a number of matters were raised concerning the control of drugs that affect the central nervous system (p. 527).

Pharmacists will be pleased to note that the problem is to be dealt with as "an urgent matter," for it was becoming more and more evident every day that the statement issued recently by the Council of the Pharmaceutical Society, and its explanatory follow-up, did not deal, however admirable the intention, with the practical problems that were arising.

It will be noted from the Minister's remarks that the Brain Committee recommends controls on drugs or preparations that have an action on the central nervous system AND are liable to produce physical or psychological deterioration. Clearly the control is envisaged on drugs and preparations that have both characteristics, and presumably it will be up to the Poisons Board to ascertain the attributes of each product brought before them.

In precisely what capacity the Board is to act is not at all clear. Unfortunately the interim report of the Committee is not available and, so far, the only guide is the statements by the Minister of Health. Apparently the Brain Committee refers to an "independent expert body." Is the Poisons Board to act as such, or is it to act as the Poisons Board it was created to be—with the Statutory authority given by the Pharmacy and Poisons Act, 1933?

If the latter, then the Board might find itself somewhat frustrated, since it is an "advisory committee" concerned with poisons, and since a poison is defined as meaning "a poison included in the Poisons List"—not, as is often thought, a "substance" in the Poisons List. It would thus appear that the first essential will be to ascertain if the drugs now being brought before the Board for consideration are, in fact, poisons. Bearing in mind that aspirin is not a poison, though it has featured in almost every coroner's court, one realises the difficulties with which the Board will be faced.

It is not for us to render a difficult situation more complex. We can only endorse, as we did last week, the plea for a revision of the legislation concerning medicines. In that connection we were pleased to note the Minister's announcement that a comprehensive review is being undertaken of the whole of the legislation relating to the control of medicinal substances.

A New Service to Subscribers

EARLY in March THE CHEMIST AND DRUGGIST starts to provide for its subscribers a new service of inestimable value to all who need to know the prices of merchandise sold in pharmacies. Once a quarter from that date it will issue a price list giving wholesale price, purchase tax if any, and retail price of around 25,000 items sold over the counter. Not only that, but each week during the quarter there will be published a cumulative list of changes of price that have occurred since compilation of the list itself.

The list will cover pharmaceutical specialities; advertised ("patent") medicines; branded cosmetics and toilet preparations; branded health, etc., foods distributed through pharmaceutical chemists; branded veterinary, agricultural and horticultural products distributed through pharmaceutical chemists; branded sundries produced for sale from pharmacies, and branded photographic apparatus, accessories, chemicals and films. Thus all need for clerical work by the retailer in keeping up to date on prices is eliminated—a valuable service indeed at a time when competition for customers is sharpening from a growing number of traders making inroads into trade traditionally regarded as the chemist's.

In order to know the price for an item the user looks first in the *C. & D.* for the week. There, in the cumulative list, he will see the new price for any article of which the price has moved up or down since the previous Quarterly List appeared. If the product does not appear there its price will not have undergone any change, and he looks for and finds the item in the last Quarterly Price List—with, moreover, an indication of any statutory restrictions on the sale of the item.

In deciding on the format of the *C. & D.* Quarterly Price List, the special requirements of the busy retail pharmacist were kept in mind. Not too bulky for the counter, the List is large enough to be quickly located and easily handled, and the type faces used were chosen for their clarity.

The Chemist and Druggist Quarterly Price List is not for sale, being reserved exclusively for subscribers to THE CHEMIST AND DRUGGIST. But of course any pharmacist may become a subscriber simply on payment of the annual subscription of £2 10s., for which he receives, in addition to the Quarterly Price List, a weekly copy of THE CHEMIST AND DRUGGIST (containing the cumulative list), a copy of the invaluable *Diary and Year Book* published each December, and the free use at any time of the *C. & D.* Information Service for sources of supply, etc. Anyone, therefore, who would profit from the service but is not already a subscriber should be invited to write in to the Editor for information and a subscription form.

Obviously, the success of any such enterprise depends on the co-operation of manufacturers. The Editor has written, or is writing for the necessary information to all those whose names and addresses he has. Any manufacturer who has not received the communication within the next few days should make sure that his products are listed by writing in for one of the forms that have been prepared.

"OPEN SHOP"



AN UNSCRIPTED COMMENTARY ON THE SPECIAL PROBLEMS OF THE PHARMACIST IN RETAIL PRACTICE

E. C. TENNER

THERE was a time when sorcerers, magicians and alchemists had quite a simple stock-in-trade. Such lines as the philosopher's stone for the transmutation of base metal into gold, and the "elixir of life" could satisfy all demands—and each kept only his own brand at that. The concoction of those desirable preparations is no longer attempted in pharmacy dispensing departments. Nowadays the witchcraft of television is used to make people desire to use all sorts of potions made in factories. The products are distributed to the public through pharmacies and often through other shops. When pharmacies display and recommend them they give their personal prestige to those potions. There are potions or pills to make one fat, or thin, to wake one up or make one sleep; there are laxatives, cough suppressors, potions for colds, powders to make one bold or tablets to make one calm—brews, indeed, that are supposed to cause almost any desired reaction in one's body without any personal expenditure of any commonsense effort. Many of us are coming to regard that use of witchcraft and ingenuity as likely eventually to undermine the human character. Pharmacists, especially, should be careful not to pander to unhealthy appetites. Moreover, they are expected, despite continually rising overhead expenses to sell those goods for the grossly inadequate recompense of 25 per cent. of the retail price. If they display them and buy what is known as a bonus parcel, pharmacists can sometimes make 33⅓ per cent. or more profit *when all the goods are sold.* Before the war, 33⅓ per cent. profit was regarded as a bare living profit for the pharmacist. It is certainly not that now. Unless a bonus parcel can be sold right out within a month, it pays better to purchase monthly small quantities from a wholesaler at the reduced profit and to turn over twelve times a year the money involved. Unless the pharmacist definitely has professional confidence in the products, it is thus best both ethically and financially not to display them specially and not to do anything to recommend them. Bonus parcels enrich the manufacturer, rarely the retailer. If anyone springs to attack me for what I have said about witchcraft and potions, sorcery and alchemy I will only reply that those thoughts flowed naturally and logically from reading what Dr. A. D. Macdonald (professor of pharmacology, University of Manchester and a member of Council of the Pharmaceutical Society) said on November 20: "The advertising of medicines to the public is an encouragement to self-medication and a menace to the public health." I also noted that the chief Metropolitan magistrate has called a particular proprietary "a beastly and horrible drug" and has said it was a pity one could get the stuff so easily. I am ashamed for those London chemists who apparently sold the drug freely to newspaper reporters without comment or warning.

"Basic" Public Relations

Recently a manufacturer made a special sample mailing of one of his products to every practising doctor, midwife and district nurse in my neighbourhood. The "basic" cost to the health service of the preparation was quoted in the mailing, and I have had a most unrewarding time explaining to irate nurses that the retail price of the product is still the same as it always had been: nearly double the quoted figure. The nurses' confidence in my integrity has been seriously undermined: I am even regarded as some sort of profiteer. Any goodwill I had for the preparation or its manufacturer has been destroyed. Manufacturers unjustifiably defend their quotation of those so-called "basic" costs. Misleading information is worthless information and in the long run must harm its authors apart from the harm it does my profession, colleagues and myself.

The Council of the Pharmaceutical Society has recently informed me, along with all the other pharmacists who are proprietors of pharmacies, and all superintendents of corporate bodies, that the Statutory Committee "make it clear that they regard any words designed to 'emphasise the excellence of the service offered' as 'advertising' of dispensing services," and that such advertisements are "unprofessional" and "improper." I should have imagined that, if I had inserted a half-page advertisement in a Sunday paper stating "There's more to E. C. TENNER, the chemist, than a tradition of impeccable service and faultless efficiency," my claim would have been regarded as sailing perilously close to the wind. That thought was stimulated by a continuation of the co-operative advertising campaign conducted by Boots, Ltd., and the National Coal Board to which I drew attention last month. No one seems to have noticed it but me.

Avenues of Action

During November dispensing has been heavier than of late. The fine summer has not rendered the public immune to the seasonable coryza; indeed a general practitioner who has a large practice has just popped into my dispensary and hazarded the opinion: "Mark my words, we shall have a lot of pneumonia this winter." At the moment, a gale is blowing outside, the pavements are cold and rain-swept; my Christmas displays are putting up a brave show, and I'm hoping the shopping days now left to Christmas are going to produce the seasonable stimulus to turnover that will carry me through the January bills into 1960 with colours flying. This is a time when one can be forgiven for wondering how the pharmacist, a typical small-business man, will be faring in 1970. We live in a business jungle, and there are some large and wild animals in the jungle with us. They will devour us if we do not take action to protect ourselves from their attacks. We have got our National Pharmaceutical Union. What use can we make of it to save us? What, indeed, do we need in these days to defend us from attacks? In the absence of adequate margins we need at least two things:—1, To be more efficient in our selling than we have been; 2, to see that our prices are as low as any there are in competitive establishments.

On the question of retail prices it is necessary for the N.P.U. to advance from the idea of maintaining high prices to the idea of putting really competitive prices within the reach of all of us while maintaining a proper margin of retail profit. It is no good moaning about the Restrictive Trade Practices Act. That is here to stay. We must use our resources and organisation for bulk buying, of both the "cut-price" lines and others. The grocers have learned that lesson and are, it would appear, successfully withstanding the assaults of the supermarkets. Here is a fighting policy for the N.P.U. for the next ten years. If manufacturers put difficulties in our way, we shall have to maintain the position of the N.P.U. as an organisation of small retailers to put us on a buying par with the national chains.

OPIUM FOR PARNASSUS

A centennial observation on De Quincey

FRANK HALEY, M.P.S.

THOMAS De Quincey, who died on December 8, 1859, ought properly to have died somewhat earlier. His centenary year could easily have been 1939, judging by his detailed and sensational "Confessions of an English Opium Eater." He claimed to take at one period up to 12,000 drops of liquid opium a day, or 230 grains of solid opium, depending on which form of the drug he had by him.

By quite a variety of standards that could be termed overdosing. De Quincey knew it, and his puny body must have possessed remarkable powers to have resisted the effects of ten to fifty times the normal doses of morphine and associated alkaloids.

It may be speculated whether opium actually produced the effects the essayist claimed it did on his mental processes. The supposition is that, before taking large doses, he had not made his mark as a writer. At a certain point, when his system was saturated with opium, he was suddenly impelled to write "Confessions of an English Opium Eater." That caused him to bound to fame, and to an enduring fame. Because of the misery and magnificence of opium's effects, Thomas De Quincey became a famous figure. Certainly his dramatic, involved descriptions of the dreams and inspirations he experienced make unique reading. For example: "I was stared at, hooted at, grinned at, chattered at, by monkeys, by paroquets, by cockatoos. I ran into pagodas, and was fixed for centuries at the summit, or in secret rooms; I was the idol; I was the priest; I was worshipped; I was sacrificed. I fled from the wrath of Brama through all the forests of Asia . . . was buried in stone coffins, with mummies and sphinxes, in narrow chambers at the heart of eternal pyramids. I was kissed with cancerous kisses by crocodiles, and was laid, confounded with all unutterable abortions, amongst reeds and Nilotic mud."*

The Talk of the Country

De Quincey was also the talk of the country, once such vivid revelations had been published, though against his theories may be put the rational belief that opium does not endow genius in a man.† Further, if a man indulges to the extent De Quincey claimed to have done, then normally he would be dead or half dead within a given time, and not in a position to continue savouring inspirations. The "Confessions" may or may not have been superlative advertisement for opium, but undoubtedly they underlined De Quincey's brilliant, fulsome style.

The cumbersome term "late developer" might be judiciously used of De Quincey. At thirty-six he had written little or nothing of importance. Suddenly he produced his "Confessions," and went on for as many more years writing vigorously and at length. But the extreme brilliance of his conversation had always deeply impressed many friends. A child prodigy, he had one of the best equipped minds in Europe. What held him back as a writer, perhaps, was that he was prone to admire others and to devote time and money to helping them; not himself. A more thankless pursuit than worshipping the gawky, self-idolatrous Wordsworth can scarcely be imagined, unless it were sending £300 anonymously to Samuel Taylor Coleridge, who at least had frequent doubts about himself, and warned De Quincey about opium, urging him to have nothing to do with it. Coleridge wrote "Kubla Khan" after a sleep induced by taking opium. Like De Quincey he tried for most of a lifetime to stop taking the drug.

But, whether "inspired" by opium or not, De Quincey eventually succeeded in turning the spotlight on himself and issued his unusual masterpiece, a prolonged hymn to the juice of the poppy. Perhaps it is true to say that his genius must have flowered in any case, and as he was undeniably "under the influence," then his first great work had to concern itself with the pains and pleasures of taking opium.

It was on a wet Sunday in 1804 when raging toothache sent the fragile, shy little man into a chemist's shop in London to buy a phial of opium tincture. In later years he was to drink up to 12,000 drops a day, and regard "only 5,000 drops" as almost a cure. "I might well have bathed and swum in it," he mused. At Dove Cottage, Grasmere, when married to Margaret Simpson, he had at his elbow a decanter, holding a quart, of that "ruby liquid," laudanum. Forty years after acquiring the habit he battled to lose it, an impoverished widower with six children, still a splendid master of prose, an insatiable reader of books, but with few teeth left in his head, and so having to live on soups and other fluids. He wrote to a friend in 1847 that he had not dined since they had shaken hands in the 18th century. But he lived to his seventy-fifth year, friendly still with opium, buying so many books that no room was left for ordinary purposes in the house, and working hard at literature.

His connection with one newspaper is commemorated to this day by its notepaper. The *Westmorland Gazette*—emanating from Kendal, where he bought much opium—was edited for seventeen months by De Quincey, whose "head" adorns their memoranda. Editors since his day, I was once assured, have run the *Gazette* on milder beverages than "Kendal Drops."

Morphine is not renowned as a steady incentive to work, but De Quincey claimed that it was not the agent of torpidity generally believed. By absorbing so much more than the norm—and living—he wrote much fresh matter into the account, even though of a decidedly specialist nature. Would he have been immortally famous without opium? Mischievously it might be suggested that today he could have won fame with "Delusions of a Dexamphetamine Addict."

*Quotation is from the Macdonald Edition of "Confessions of an English Opium Eater."

†The point was strongly made by Professor Douglas Hubble, M.D., F.R.C.S., Birmingham, in his contribution to a symposium on "Drugs held by the Society for the Study of Addiction" in London on October 20.

ECHOES OF THE PAST

SPECIAL SIMPLES FOR MEDICINES

From Sylvia Sylvarum *by Francis Bacon,* London, 1676.

WISE *Physicians* should with all diligence inquire what *Simples* Nature yieldeth, that have extream *subtile parts* without any *Mordication* or *Acrimony*; for they undermine that which is *hard,* they open that which is *stopped* and *shut* and they expel that which is *offensive* gently, without too much *perturbation.* Of this kind are *Elderflowers,* which therefore are proper for the *Stone*; of this kind is the *Dwarf-pine,* which is proper for the *Jaundies*; of this kind is *Harts-horn,* which is proper for *Agues* and *Infections*; of this kind is *Piony,* which is proper for *Stoppings* in the Head; of this kind is *Fumitory,* which is proper for the *Spleen*; and a number of others. Generally, divers *Creatures* bred of *Putrefaction,* though they be somewhat loathsome to take, are of this kind; as *Earth-worms, Timber-sows, Snails, &c.* And I conceive, that the *Trochises* of *Vipers,* (which are so much magnified) and the *flesh* of *Snakes* some ways condited and corrected (which of late are grown into some credit) are of the same nature. So the *parts* of *Beasts putrified* (as *Castoreum* and *Musk,* which have extream subtil parts) are to be placed amongst them. We see also, that *putrefactions* of *Plants* (as *Agarick* and *Jews-Ear*) are of greatest vertue. The *cause* is, for that *putrifaction* is the subtilest of all *motions* in the parts of *Bodies.* And since we cannot take down the *lives* of *Living Creatures* (which some of the *Paracelsians* say . . . would make us *Immortal*), the next is . . . take *Bodies putrified,* such as may be safely taken.

PUBLIC MONEY IN THE INDUSTRY

Financial histories of some British drug and chemical concerns

FAMILY tradition is strong in the pharmaceutical industry but modern conditions have tended to submerge it in the large public company. Many family connections are happily maintained. The passing of other well known names may leave a real sense of loss, but the increasing use of public money in the industry may also be looked on as a measure of public confidence in its efficiency. The record shows that confidence to be fully justified.

Of public companies in the drug trade, the earliest is Boots Pure Drug Co., Ltd., registered in 1888. Some idea of the industry's growth since that date may be gleaned from the table below, which shows authorised capital of a number of well-known manufacturing organisations at date of registration and the total market capitalisation which the Stock Exchange places on them today.

Date of Registration		Authorised Share Capital		Stock Exchange Values, 1959		
		Then	Now	Ordinary	Preference	Total
		£'000	£'000	£'000	£'000	£'000
1888	Boots Pure Drug Co.	100	15,000	74,300	1,400	75,700
1897	Bush, W. J., & Co.	250	2,000	2,700	375	3,075
1898	Ilford	380	5,690	24,500	190	24,690
1899	Borax (Holdings)	1,400	13,400	32,400	1,220	33,620
1907	Reckitt & Colman	1,700	21,874	82,530	4,163	86,693
1907	Potter & Clarke	50	200	135	70	205
1920	Yardley & Co.	150	3,500	14,600	900	15,500
1923	Dubarry Perfumery Co.	150	200	225	80	305
1926	British Drug Houses	642	2,250	4,560	657	5,217
1927	Hampshire, F. W., & Co.	155	318	1,170	37	1,207
1927	Taylors Cash Chemists (Trust)	1,000	1,000	See under Timothy Whites & Taylors		
1928	Taylors Cash Chemists (London)	2,000	2,000			
1928	Ashe Chemical (as Solidol Chemical)	125	300	683	Nil	683
1931	Savory & Moore	300	1,200	1,250	490	1,740
1934	Monsanto Chemicals	800	10,000	22,680	2,200	24,880
1935	Aspro-Nicholas (as Aspro)	1,000	2,000	5,872	438	6,310
1936	Dufay (as Dufay-Chromex)	1,000	1,000	125	245	370
1936	Greeff Chemical	250	1,000	3,300	100	3,400
1937	Smith & Nephew	500	4,723	17,780	235	18,015
1945	Beecham Group	4,000	16,000	100,000	3,500	103,500
1945	Evans Medical	450	1,250	3,000	245	3,245
1947	Glaxo Laboratories	1,500	10,000	48,750	1,705	50,455
1947	Cussons, Sons & Co.	100	600	3,450	Nil	3,450
1948	Albright & Wilson	1,500	9,000	40,640	1,824	42,464
1949	Howards & Sons	1,250	1,250	428	300	728
1958	Clinical and General Industries	200	200	150	Nil	150
1958	Timothy Whites & Taylors	—	—	15,640	2,000	17,640

The financial histories of individual companies throw light on the development of the industry as a whole.

Evans, Sons, Lescher & Webb, Ltd., was formed in 1902 by the amalgamation of Evans, Sons & Co., Liverpool, and Evans, Lescher & Webb, London. The capital was made up of £250,000 in 5 per cent. Cumulative Preference shares of £5 each, and £150,000 in Ordinary shares of £1 each. In addition, £100,000 4 per cent. First Mortgage Debenture stock was created, of which half was allotted at the time. Subscriptions were invited for the 5 per cent. Cumulative Preference shares only. One-half was taken up by the partners and those connected with the business, and the assets of the new company, less the trade liabilities, amounted to £500,000. With one exception the partners in the former concerns became directors, the first chairman, Mr. John Evans, being a grandson of the John Evans, druggist, of Worcester, who had founded the business in 1809. The present company, Evans Medical, Ltd., was formed as Evans Medical Supplies, Ltd., in 1945. Its capital is now £1,250,000, made up of £250,000 in 6 per cent. Cumulative Preference shares of £1 each, and £1,000,000 in Ordinary shares of 5s. each. The chairman (Mr. Ian Fergusson) is still in the direct line of descent and his son was recently appointed a director.

In 1908 there was an amalgamation of four London firms of manufacturing chemists and wholesale druggists and the initials "B.D.H." soon became a hall-mark throughout the trade, showing how rapidly a new tradition can be developed. The constituent houses had each had a long history—Barron, Harveys & Co. was established in 1750, Hodgkinsons, Clarke & Ward in 1762, Hearon, Squire & Francis in 1714, Davy, Hill & Co., a still earlier amalgamation of A. S. Hill & Son, in 1755, and Davy, Yates & Co. in 1760. In 1919 there was a further addition of John Wyman and of George Curling, Wyman & Co., founded 1798. When the business was converted from a private to a public company the capital consisted of 242,000 5 per cent. Cumulative Preference and 400,000 Ordinary shares, all of £1 denomination. The whole of the Preference and 144,500 of the Ordinary shares had been issued and were held by directors and friends. The balance was offered to the public in February 1926. The present authorised capital is £2,250,000, including £750,000 in 5¼ per cent. Cumulative Preference stock (£1 units); the increase in 1958 in the issued Ordinary stock from £600,000 to £1,200,000 was due to the issue for cash on June 19 of that year of 800,000 Ordinary shares of 5s. each at par, and the free issue on July 1 of 1,600,000 Ordinary shares, which utilised £400,000 of capital reserves.

Reckitt & Sons, Ltd., dates from 1879 as a private company, which took over the partnership of Francis and James Reckitt, operating in Hull and London. The first public offer came in 1888, when the capital was increased

from £200,000 to £450,000 in 20,000 Preference shares of £10 each and 25,000 Ordinary shares of the same value. Of those, 2,500 Ordinary shares were offered to the public. Irrelevant but interesting is the fact that J. L. Garvin, who at a later date became editor of *The Observer,* was an invoice clerk at the time, and already laying the foundations of his style by reading Gibbon's "Decline and Fall" in his lunch hour. More relevant is the formula for that period of great success of the business—standardisation of quality, distinctive branding, and advertising. The order is important. The issued capital was increased in 1899 with the formation of a new public company, and again successively in 1910, 1918 and 1928, when it amounted to £5,057,695. Shortly afterwards the decision was taken to originate a pharmaceutical department. Discussions with J. & J. Colman, Ltd., took place at various times from 1909 onwards. There was a pooling of overseas trade in 1921 and a full merging of interests in 1938. By that transaction Reckitt & Sons, Ltd., transferred its business to Reckitt & Colman, Ltd., and became an investment company with a majority shareholding. In 1954 Reckitt & Sons, Ltd., transferred its holding in Reckitt & Colman, Ltd., to Reckitt & Colman Holdings, Ltd., and went into liquidation. On February 18, 1956, a new company, Reckitt & Sons, Ltd., was formed. When the new company commenced business on January 1, 1958, Reckitt & Colman, Ltd., transferred to it that part of its business corresponding to the original Reckitt & Sons, Ltd. Since that date the company has continued to trade under the same name.

The Smith & Nephew organisation was a private company until 1937 but its earlier history is still worth a glance. The firm began in 1856 when Mr. T. J. Smith, an early life member of the Pharmaceutical Society, opened a shop in Hull. His nephew, Mr. H. N. Smith, came into partnership in 1896, and a limited company was formed in 1907, with a fully paid-up capital of £207. By that time the original main line of cod-liver oil was being replaced by surgical dressings. Thirty years later the capital had grown to £500,000 and the company had become a group —Smith & Nephew Associated Companies, Ltd. In 1951 Herts Pharmaceuticals, Ltd., was taken over. The Group's present capital is £4,723,000.

A Recent Amalgamation

The amalgamation of Allen & Hanburys, Ltd., with Glaxo Laboratories, Ltd., is still fresh in mind. To pharmacists aware of the close association of the business with the former Plough Court pharmacy and of its principals with the Pharmaceutical Society from its foundation, the retention of the name and character of the business is gratifying. William Allen, entering at the age of twenty-two, could have been a Fellow of the Royal Society at thirty but modestly declined the honour until he was thirty-seven. His short partnership with Luke Howard (1797 to 1806) was a happy one and to its dissolution by mutual consent can be traced the first necessary division of the trade into pharmaceuticals and chemicals. William Allen married Charlotte Hanbury in 1806, and there has been a long and distinguished succession from a nephew, Cornelius, to the present John Capel Hanbury. The firm became a limited company in 1893, with an authorised capital of £75,000, made up of 750 shares of £100 each; by 1953 the capital had become £1,000,000. An offer of debenture stock in 1951 was over-subscribed ten times, and the first opportunity for the general public to buy Ordinary shares came in May 1952. The other party in the amalgamation, Glaxo Laboratories, Ltd., originated as a branch of Joseph Nathan & Co., Ltd., an organisation founded in New Zealand in 1873, registered in England as a private company in 1899 and as a public company in 1913. Glaxo Laboratories, Ltd., became a private company in 1935 and a public company with a capital of £1,500,000 in 1947, when it absorbed the parent concern. The authorised capital is now £10 millions, and the two classes of Preferred stock have been consolidated, together with five classes of Allen & Hanburys shares, into one issue of approximately £1,500,000 of the new Glaxo 6 per cent. Cumulative Preference stock (10s. units). The Ordinary stock is now £8,266,050 in 10s. units.

At the British Pharmaceutical Conference meeting in 1869 Daniel Hanbury commended a "fine work" by John Eliot Howard. The title of the work was "Quinology of the East India Plantations." By that time the name "Howards" had become almost synonymous with quinine. Howards & Sons, Ltd., was formed as a private company in 1920 and converted into a public company in 1949. It is now a holding company, the assets and liabilities, other than trade investments and liability for debenture stock, having been transferred to Howards of Ilford, Ltd. The authorised capital of Howards & Sons, Ltd., is today £1,250,000.

Wright, Layman & Umney, Ltd., was registered as a private company in 1899 and it was still under the same control when, ten years later, it became a public company by the issuc of 60,000 Cumulative Preference shares of £1 each. The business had been in Southwark since 1866, when it was known as Wright, Sellars & Layman. Mr. Charles Umney became a partner in 1875. The capital of the 1909 company was £135,000, consisting of 90,000 6 per cent. Cumulative Preference and 45,000 Ordinary shares of £1 each. The present authorised capital, issued and fully paid, includes 280,000 7 per cent. Cumulative Preference and 100,000 Ordinary shares, all of £1 each.

"Multiple" Development

The first company of the young Jesse Boot was known as J. Boot & Co., Ltd. It had a head office in Goose Gate, Nottingham, and ten branches. The company was registered in 1883 and engaged its first pharmacist during the following year. Boots Pure Drug Co., Ltd., came into being in 1888, with an authorised capital of £80,000. Four years later Boots, Ltd., was formed to take over the retail business, which then consisted of twenty-three establishments, all within easy reach of Nottingham. The authorised capital was £100,000 in £1 shares, including 35,000 6 per cent. Cumulative Preference, 15,000 Ordinary (of which two-thirds were offered) and 15,000 Ordinary, which were retained by the vendors and deferred as to dividend until the other Ordinary shareholders had received 10 per cent. It was stipulated that the managing director should receive no remuneration during the first six years until the 10 per cent. dividend had been realised. The company changed its name to Boots Cash Chemists (Eastern), Ltd., in 1900, the capital remaining the same.

It will be seen from the table that Boots Pure Drug Co., Ltd., has increased its authorised capital to no less than 150 times the initial figure. Big expansions were effected by the company in the years 1950, 1951, 1952 and 1955. 1958 was a noteworthy date in the company's history as the year in which its freehold and leasehold properties were independently revalued. As a result, freehold land and buildings were shown to be more than doubled at in the region £18,400,000, and leaseholds also about doubled at around £6 millions. Total assets were accordingly returned at around £51,300,000 (against about £35,700,000), a notable increase indeed.

The seventy-first annual report of Boots Pure Drug Co., Ltd., shows that the capital is now £15,000,000, including £1,400,000 in Preference and Preferred Ordinary shares ("B" Preference being £100 each, the remainder £1 each) and £13,600,000 in 5s. Ordinary shares with which the central ownership of the Group rests.

Timothy White began his business in 1848 and it was owned and controlled by members of the family until the formation of Timothy Whites (1928), Ltd., at which time there were 105 branches, all in the south of England. The authorised capital was £1,500,000, consisting of 1,200,000 7½ per cent. Cumulative Preferred Ordinary shares of £1

each (1,000,000 actually issued) and 6,000,000 Deferred Ordinary shares of 1s. each. Three directors of the new company came from Timothy White Co., Ltd., and two, including the chairman, from Taylors (Cash Chemists) Trust, Ltd. There were to be reciprocal trade agreements with Taylors Drug Co., Ltd., and Squire & Co. (Birmingham), Ltd., defining territories of operation, etc. Taylors Drug Co., Ltd., had been formed in 1888, with a capital of £20,000, to acquire the businesses of W. Barker Mason at 3 Albion Street, Leeds, and six other shops in Leeds, Bradford, Pudsey and Dewsbury. The present capital of Timothy Whites & Taylors, Ltd., is £4,676,000, consisting of 1,676,000 7½ per cent. Cumulative Preference (£1 units) and 12,000,000 Ordinary shares (5s. units). Over 120 shops have been closed during the past six years and over eighty new branches opened. The present policy is to favour the establishment of large stores and to modernise and enlarge existing ones.

Taylors (Cash Chemists) Trust and Taylors (Cash Chemists) London, are noteworthy in that their authorised share capitals have remained unchanged since their registration in those forms. In 1935 Taylors (Cash Chemists) London completed a trading agreement with Timothy Whites & Taylors, Ltd., that expires in 1990. In 1949 all the subsidiaries were liquidated, and their assets and undertakings were acquired by the company. Taylors (Cash Chemists) Trust owns a direct controlling interest in Taylors Drug Company, Ltd., and Taylors (Cash Chemists) Midland, Ltd.

The formation of Beechams Pills, Ltd., in 1928 was for the acquisition of the pill business of Beecham Estates and Pills, Ltd., and of over 93 per cent. of the deferred ordinary shares of the Veno Drug Co. Ltd. In 1938 the company acquired all the ordinary shares of Macleans, Ltd., subsequently selling them to Beecham Maclean Holdings. In 1939 it acquired all the shares of the County Perfumery Co., selling them also to Beecham-Maclean Holdings. The title Beecham Group, Ltd., was adopted in 1945. It was stated at the time that the sale of the famous pills represented only 3 per cent. of the group's turnover, and that the company was about to broaden the base of its business in new directions. The announcement was followed by the news of purchases of a number of businesses producing proprietary foods, in particular C. & E. Morton, Ltd. A new company, Beecham Foods, Ltd., was set up to operate them.

Savory & Moore, Ltd., was registered as a public company in 1931 with a capital of £300,000. The capital is now £1,200,000, made up of 600,000 First Redeemable Cumulative Preference, 300,000 6 per cent. Cumulative Preference, and 300,000 Ordinary shares, all of £1 each. The company operates over fifty retail pharmacies and a new subsidiary, Savory & Moore House, Ltd., was recently formed to develop the historic Bond Street site. There is a problem here in the blending of old and new, and its solution will be watched with considerable interest. All retailing organisations have had to provide large sums to cover losses caused by purchase tax reductions and the protests of chairmen of multiple companies will be echoed by every chemist in business. The reductions are welcomed but the way in which they are carried out has been grossly unfair. Since 1953 Boots, Ltd., have had to write off £750,000 under that head, whilst the most recent reduction cost Timothy Whites & Taylors, Ltd., £116,000 and Savory & Moore, Ltd., a sum between £12,000 and £15,000.

Developments on the Chemical Side

Less than a century ago Britain imported annually about £1,000,000 worth of madder for colouring purposes. The discovery that alizarine could be prepared synthetically soon rendered such imports unnecessary and the way was open for an extensive dyestuffs manufacturing industry. The selective staining effects of certain dyes were closely studied by early workers in the field of chemotherapy and their researches have profoundly affected the pharmaceutical industry, both directly and indirectly. The range of materia medica has widened enormously and it is no longer possible to draw a line between chemicals and pharmaceuticals. Large organisations such as Imperial Chemical Industries, Ltd., and the Distillers Co., Ltd., now have pharmaceutical divisions or subsidiaries in which the capital investment, though undefined, must be considerable. The present pharmaceuticals division of I.C.I. was formed in 1942 as a subsidiary company, closely associated with the Dyestuffs Division. The Distillers Co. (Biochemicals), Ltd., was formed in 1948 and its capital investment is more than three-and-a-half times what it was as recently as ten years ago.

The partnership of Arthur Albright and John Edward Wilson began in 1855, and it is on record that specimens of their products were exhibited at the British Pharmaceutical Conference meeting at Birmingham in 1865. The exhibits included potassium chlorate, precipitated sulphur and different forms of phosphorus (in the production of which the partners were pioneers). Albright & Wilson, Ltd., was formed as a private company in 1892 and remained under family control as a completely independent unit until 1948, when it was realised that continued expansion, under existing methods of taxation, was possible only to a public company. The authorised capital was then £1,500,000 and the first offer was for the sale of 800,000 Ordinary stock units of 5s. each. The present capital is £9 millions, of which £7,789,153 is issued. It consists of £2,084,604 5 per cent. Cumulative Preference and £5,704,549 in Ordinary stock units of 5s. each.

American Investment

Monsanto Chemicals, Ltd., was incorporated as a private company on September 10, 1934, and converted into a public company on September 11, 1934. The company was formed to acquire the undertaking and assets of Monsanto Holdings, Ltd., which, with its predecessors, had carried on the business of chemical manufacturers in this country since 1867. The authorised share capital in 1934 was £800,000. At the end of 1947, after a public offer of 1,500,000 3¼ per cent. Redeemable Cumulative Preference shares of £1 each and 600,000 Ordinary shares of 5s. each, the authorised share capital consisted of the 1,500,000 3¼ per cent. Preference shares of £1 each, all of which were issued, and 6,000,000 Ordinary shares of 5s. each, of which 3,000,000 were issued. 2,400,000 of the Ordinary shares were held by Monsanto Chemical Company of St. Louis, Missouri, U.S.A., with which there was and still is an agreement relating to the exchange of technical information. The present capital is £10 millions, including £3,000,000 in Preference shares, authorised and issued, and £7,000,000 in Ordinary shares, of which £5,400,000 is issued and fully paid.

In the business of W. J. Bush & Co., Ltd., the family element has always been strong. The founder commenced business in 1851 and a limited company was formed in 1897, with an authorised capital of £250,000. Of the present capital of £2 millions, 500,000 5 per cent. Preference, 250,000 Ordinary, and 650,000 "A" Ordinary, all of £1 denomination, have been issued.

The chemical manufacturing business of F. W. Berk & Co., Ltd., was founded in 1870 and incorporated in 1891. The first public offer of shares in 1949 included 200,000 4½ per cent. Cumulative Preference of £1 each and 800,000 Ordinary shares of 2s. 6d. each. The present capital is £2,000,000, of which £1,800,000 (£1,380,000 issued) is in Ordinary shares of 5s. each. A subsidiary, Fullers Earth Development Co., Ltd. (formerly Baynards Fullers Earth Co., Ltd.), is carried on as the Baynard works of F. W. Berk. Schori Metallising Process, Ltd., is also conducted by F. W. Berk & Co., Ltd., and associated companies are Abbey Chemicals, Ltd., Berk Exothermics, Ltd., and Detarex, Ltd.

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

STUDENTS AT SCHOOLS OF PHARMACY

Additional information from *questionnaire*

A REPORT showing that, in the session 1959–60, a total of 810 first-year students had commenced courses of study at the nineteen schools of pharmacy was submitted at a meeting of the Council of the Pharmaceutical Society on December 1 and 2.

The total was the largest for many years. It was made up of 369 students studying for the Society's qualification under the old regulations, 102 students under the current regulations, and 339 students for degrees in pharmacy. The statistical information requested at the previous meeting (see *C. & D.*, November 14, p. 432) on the progress of students registered under the old regulations, i.e., before March 1, 1958, was reported as being obtained by a *questionnaire* addressed to each student. Students had been asked to return the *questionnaire* within twenty-eight days so the information obtained should be available for consideration at the Committee's next meeting. Information on the number of students in their second and final years at schools of pharmacy was also requested. MR. GROSSET said that information from schools on the number of applications received and the numbers rejected would be most useful, as it would show whether or not the demand exceeded the accommodation available. The heads of schools might also be asked to report on the reasons why applicants were refused admittance. The report showed that only seven of the nineteen schools had students commencing a course for the Society's Diploma based on the current regulations, and that was a matter for concern. MR. MAPLETHORPE (chairman of the Education Committee) said the committee recognised the need for information not only on first-year students but also those in other years of their course, including both two-year and three-year students. Schools were willing to provide information on the students they accepted but it was doubtful if they kept records of those that were refused admittance. The provision of three-year diploma courses by colleges was dependent on the Ministry of Education, which had laid down at the beginning that only two schools—Sunderland and Bristol—should provide that course in the first year. The Ministry did not wish to have the three-year students spread thinly over a large number of schools. It considered that a better service to students, and better teaching, would be obtained only by having a satisfactory number of students in fewer schools. Since then other schools had been approved, but the Ministry was insistent that places in individual schools should be provided only as the number of students increased. Students registered under the old regulations (i.e., before March 1, 1958) and who were now undergoing practical training, were being encouraged to enter schools and obtain their qualification as quickly as possible. The committee had made arrangements to ensure that such students should not be prejudiced in any way for having interrupted their practical training to enter college. That speeding-up process would allow schools to turn even more quickly to the new three-year course. The Ministry had given an undertaking that all schools would be given facilities to provide the three-year course, and a meeting with heads of schools and Ministry officials was being held early in the new year to discuss the problem and decide how many schools should begin the three-year curriculum in October 1960.

MR. STEINMAN pointed out that there was a complication in that one student might apply for a place to several colleges, and that gave a false impression of the true demand for places at schools. THE SECRETARY said that the office would try to obtain the statistical information, but pointed out that some of the information could only be obtained by the organisation of a central registry, which would hardly be worth the trouble, time and expense entailed. The number of students who had commenced a first-year course of study at schools of pharmacy in the autumn of 1959 was the highest for many years. It was not only the schools that affected the number of students studying for the degree in preference to the diploma; it was largely a matter of the students' choice. They had grants from educational authorities to take them through to a degree and they chose a degree rather than the Society's diploma. No student, so far as was known, had failed to get a place in a school of pharmacy, though applicants might have to try at a number of schools to obtain a place. MR. MAPLETHORPE said that some schools of pharmacy were already being enlarged, and the process was likely to accelerate in the next two or three years.

The Council approved a statement for publication concerning the date on which the new British Pharmaceutical Codex should come into force (see p. 521).

The Education Committee recorded its thanks to Mr. Allen Aldington for the gift of an album of photographs of the National Education and Careers Exhibition, 1959, which provided a permanent record for guidance on future occasions.

Vacation Course

The Council approved the Committee's recommendation of topics for the proposed vacation course for teachers in schools of pharmacy, and agreed that the subcommittee should be asked to recommend suitable speakers. Professor Linnell and Dr. Capper were authorised to proceed with the arrangements. The topics, based on the assumption of a course of about three days, with two scientific subjects as its main basis, were:—(a) Light absorption; to include physical instruments for quantitative measurement; (b) rheology and its application to pharmacy. Evening subjects:—(c) The use of a scientific library; (d) statistics in pharmacy.

The report of the Establishment and Organisation Committee recorded that the president had received, on behalf of the Society, a silver salver, dated 1790, from Morgan Brothers (Publishers), Ltd., to mark the centenary of THE CHEMIST AND DRUGGIST. The Council adopted a recommendation to put on record its appreciation of the gift, and that a letter of thanks be sent to the donor. Answering a question, MR. HUDSON said that, as part of the reorganisation of the Society's headquarters, it was hoped to provide an appropriate place in which to exhibit the collection of silverware.

It was reported that Mr. Raine (chief pharmacist, St. George's Hospital, London) had presented to the Society more than seventy samples of drugs, including twenty-two samples of organic chemicals, twenty-four of old and foreign proprietary preparations, and seven of active principles from crude drugs. The Council agreed to send a letter of thanks to Mr. Raine.

Worthing and District Branch having requested that its title should be changed to "The Worthing and West Sussex Branch," in view of the recent inclusion in its area of the territory of the former Chichester, Bognor Regis and District Branch, no objection was raised to the change.

Arrangements were approved for twenty-four portraits in the Society's house to be cleaned and restored or surface-cleaned and varnished, the work to be spread over a period of two years. The restoration had been reported necessary when the collection of portraits had been examined and catalogued for National Records.

Modifying a previous announcement, the Council agreed that the Society's house should be closed for the Christmas holidays from Thursday, December 24, reopening at 9 a.m. on Monday, December 28.

(*To be concluded*)

NEW BOOKS

Medicinal Chemistry Vol. 4

F. BLICKE and R. COX. *Chapman & Hall (John Wiley & Sons, Inc.)*, 37 Essex Street, London, W.C.2. 9¼ x 5¾ in. 96s.

CHEMICAL and pharmacological properties of the barbiturates are well known, but the full range of compounds, their salts and derivatives have a range of activities not always appreciated. The medicinal chemistry division of the American Chemical Society is responsible for the production of a series of reviews with which this new volume is uniform. It is replete with details and data.

Introduction to Chemical Nomenclature

R. S. CAHN. *Butterworths Scientific Publications*, 4 Bell Yard, London, W.C.2. 7¼ x 4¾ in. Pp. 96. 10s. 6d.

NOMENCLATURE of chemical compounds is a skill at which proficiency can only be gained by observing the rules. This small book provides a compact reference volume; presents data conforming to the Chemical Society rules; and assists in differentiating the American system from our own. The author acknowledges the freedom of choice open to the chemist in naming new compounds.

The Roussel Symposium on Retail Pharmacy

Edited by BRIAN O'MALLEY, M.P.S. *Roussel Laboratories, Ltd.*, London. 8¾ x 5½ in. Pp. 103. Conceptual price 15s.

A YOUNG pharmacist whose ambition is to practise under his own house flag does not lack for advice, either verbal or written. If he attends branch meetings, he is in the way of hearing discussion by his colleagues of matters which may, one day, prove to be of value to him personally. He is also well provided for in the pharmaceutical Press by articles of a specialised nature from which a great deal may be learned. But it would be extremely unwise to act on the assumption that everything he hears, or everything he reads, will be found to have a positive application to his own particular case. There are about 15,000 pharmacies scattered over the country, some in cities, some in rural towns and villages; some with veterinary connections, some so isolated that a pharmaceutical service is made possible only by the subsidising of that service by retailing goods which bear little relation to the pharmaceutical needs of the community. There are, of course, certain fundamental principles which stem from the fact that the owners or managers of all those widely differing units are the holders of a qualification which, basically, puts them all on the same footing. But there the resemblance ends, for no two of those many pharmacies are exactly alike. That is one of the problems for the aspiring young pharmacist which can be tackled only in the light of his own experience. There may be something to be learned from the experience of others, but, except in matters of basic principle, no article or series of articles can be applied *in toto* to his own case.

Viewed in that light the "Symposium of Retail Pharmacy" published by Roussel Laboratories, Ltd., London, "as a way of expressing their appreciation of the retail pharmacist's rôle as an essential link between the pharmaceutical manufacturer, the medical profession and the public," may accomplish what it sets out to do. Its ambitions, for a comprehensive volume of its kind, are singularly modest, for the preface, after stating that it is the hope of the compilers that the book will act as a stimulus, says: "If it suggests to the reader only one worth-while idea to help him improve his business or raise the prestige of pharmacy, all who took part in its compilation will consider themselves well rewarded."

The work is divided into six sections dealing with various aspects of that complex type of business which the public accepts as retail pharmacy. In one section entitled "The voice of the specialist," there are contributions from three non-pharmacists on topics on which they are able to bring to bear expert and specialised knowledge. The sponsors of the work did well to engage the services of such experts on the questions of lighting, work study and window display and design. The advice of the specialist is always worth giving heed to, even if it has only the negative virtue of determining the reader to consult the expert on his own particular difficulty, for each set of premises poses its own peculiar problem.

Under the heading of "Service to the public," six retail pharmacists relate some of their own experience in running successful businesses. It is natural that any half-dozen pharmacists, in widely differing circumstances, will give an account of their personal ideas of the best way to run a pharmacy, and it is only to be expected that there is no unanimity of approach. A symposium is not intended to be a text-book. But the young man in search of guidance will have to work out his own answer to the following, which come from different pens:—

1. "*Nothing is ever pushed*" (p. 10).
2. "If you are asked about a slimming food, or a diet, it is quite legitimate to draw attention to an item like bathroom scales. . . . If you are asked about a specialised baby food, you should be prepared to arouse the customer's interest in the baby-bottle heating unit which is standing in the same section" (p. 43).

Other sections of the book deal with modernising of the premises; salesmanship and service; "good service builds goodwill," etc. While interesting reading, it must be admitted that a good deal of the material is almost too obvious to have found its way into a manual purporting to be of help to the pharmacist in general. For example: "A shop-front devoid of paint but liberally covered with grime, windows which have long since ceased to be associated with a leather, and displays of wet, out-of-date showcards, accompanied by a liberal supply of dead flies, etc., are hardly conducive to the spontaneous desire to enter the premises." Or, again, on the need for elegant presentation in dispensing: "I think our purpose is better served by dispensing a pint of lot. calam. in a clean ribbed oval than in an orange squash bottle with a dispensing label stuck over the original."

Making oneself agreeable to the customer occurs more than once in the advice offered, and there are perhaps too many examples of the obvious throughout the book as a whole. Honesty, truth and integrity also achieve their place, and, of course, no business can build a lasting reputation on deceit, lying and dishonesty. But it struck the reviewer as a trifle unfortunate that, in a work dedicated to stimulating new ideas, the first article should have stated: "For practical purposes, let us assume that a fairly high professional status is desired. The general picture must, of course, include the obvious. It must *convey* honesty, integrity and fair trading—all of the highest order." One felt that the author might have chosen a happier verb than that italicised by the reviewer. But the author goes on: "Opportunities for pressing home the general picture are everywhere. Suppose, for a moment, that one's sale of natural sponges has dwindled badly. Try withdrawing the residue of stocks from display. Then, when you receive inquiries, inform customers that you have none, pointing out that good sponges are difficult to obtain and that none at present being offered come up to your standards of quality and value. Point out, further, that when some sponges of quality and value do become available, they will again be offered for sale. When sponges are displayed again, sales will almost certainly be increased above the previous level to considerable advantage. But more important than the sale of a few extra sponges is the fact that once again you have created the impression that you know what you are buying—that quality comes before profit, and that bad value cannot be tolerated." That may create an impression, and it may *convey* honesty and integrity, but it will be for the individual conscience of the reader to decide if he adopt that as his "one worthwhile new idea."

Organic Chemistry

D. J. CRAM and G. S. HAMMOND. *McGraw-Hill Publishing Co., Ltd.*, 95 Farringdon Street, London, E.C.4. 9¼ x 6¼ in. Pp. xv + 712. 6s.

NOVEL presentation of data keyed to very full presentation of formulas and equations aids the student to visualise and memorise the subject. Special subjects such as spectra; chemical literature and nomenclature, are given separate chapters. The American derivation of the book emphasises the need for British students to observe the differences in nomenclature which arise. The core of organic chemistry is concentrated into chapters 10-20 and appreciation of chemical bond and stereochemistry is imparted in earlier chapters.


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100
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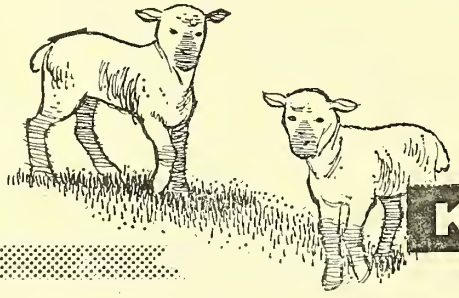
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TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON, DECEMBER 8: Activity was lacking among CRUDE DRUGS during the week and prices were mainly held at their previous levels.

Brazilian MENTHOL was quoted at 40s. per lb. in bond, with shipment at 39s. 6d., c.i.f. PEPPERS were dull and prices of white and black Sarawak again eased.

In ESSENTIAL OILS spot holders of Madagascar CLOVE LEAF brought their quotations in line with the higher values at origin noted last week, making the oil sixpence per lb. dearer at 9s. 3d., duty paid. LEMONGRASS was again weaker with spot and shipment falling threepence per lb. Mysore and East Indian SANDALWOOD firmed up by 2s. 6d. per lb.; Ceylon and Formosan CITRONELLA were also dearer in both positions. Bourbon GERANIUM lost another 10s. per lb. on the spot. The price of BERGAMOT was reduced by 10 per cent. by the Bergamot Consortium, the change being effective from December 7. LIME was somewhat firmer and that trend is expected to continue as storm damage is reported to have destroyed 40 per cent. of Mexico's production of that oil. Mexico being the world's chief supplier of lime, the shortage, which is expected to last for three or four years until the new trees which have been planted begin to bear fruit, is bound to have an effect on the West Indian oil which is mainly used in the United Kingdom.

Pharmaceutical Chemicals

ACETANILIDE. — 1-cwt. lots are 2s. 10d. per lb. for crystals and 5-cwt., 2s. 9d.

ANEURINE HYDROCHLORIDE. — 1-kilo quoted at £11 15s. and 10-kilo lots at £11 7s. 6d. per kilo.

ASCORBIC ACID.—Rate per kilo: 1 kilo, £3 12s.; 10 kilos, £3 10s. SODIUM ASCORBATE is offered at the same prices.

BROMIDES. — Prices per lb. are as follows:—

	1 cwt.	5 cwt.
	s. d.	s. d.
POTASSIUM	2 6	2 5
SODIUM	2 6	2 5
AMMONIUM	2 10	2 8½

The prices quoted are for crystals (powder is 1½d. per lb. more) packages free, carriage paid terms. The kilo rates for 50-kilo lots are 5s. 6d. for potassium and sodium and 6s. 3d. for ammonium.

BRUCINE. — ALKALOID and SULPHATE in 100-oz. lots is now 10s. 6d. per oz.

CALCIFEROL.—B.P. is 3s. 3d. per gm. for 1-kilo lots.

CALCIUM CARBONATE.—B.P. light precipitated powder, 1-ton lots, £33 per ton in free bags, ex works.

CALCIUM CHLORIDE. — B.P. crystals are 1s. 3½d., and granulated, 10½d. per lb. in 1-cwt. lots.

CALCIUM GLUCONATE. — Quantities of 3 cwt. and upwards are quoted at 3s. 6d. per lb.; 1 cwt. to 2 cwt., 3s. 7d.

CALCIUM PANTOTHENATE.—Price per kilo is £8.

CALCIUM SUCCINATE. — Quotations are from 10s. 6d. to 12s. per lb., as to quantity. SUCCINIC ACID is from 10s. 6d. to 12s. 3d. per lb.

CHALK.—Prepared powder B.P., is £22 per ton for minimum 1-ton ex works.

CREOSOTE.—B.P. quality, ex beechwood, is from 6s. 9d. to 7s. 6d. per lb.

CRESOL.—Price of B.P. quality from distillers is 7s. 9d. per gall. in 5-gall. lots.

CYANOCOBALAMIN. — 25-gm. lots are £3⁹ per gm., and 1 gm., £40.

DEXTROSE. — In bulk, MONOHYDRATE, £76 per ton, delivered; ANHYDROUS, £115 per ton.

DICOPHANE (DDT).—Prices are as follows:—1-cwt. lots 3s. 2d. per lb.; 5-cwt., 3s. 0½d.; 1-ton, 2s. 11d.

DIPHENAN.—Prices range from 55s. 3d. (56-lb.) to 63s. (1-lb.) per lb.

ETHER.—Per lb. in winchesters:—TECHNICAL B.S.S., and SOLVENT, 5-cwt. 2s. 7d.; (4s. 1½d. per litre). In drums the price is 2s. 2d. per lb. ANÆSTHETIC, B.P., 5-cwt., 3s. 10d.; 10-cwt., 3s. 9d.

FOLIC ACID.—B.P. and U.S.P. are offered on the spot at 1s. per gm. for 1-kilo lots; smaller lots up to 1s. 6d.

GLYCERIN. — Rates for pharmaceutically pure (s.g. 1·2627) are now:—

Annual purchases or spot lots of	Under 1 cwt.	1 cwt. and under 5-cwt.	5 cwt. and under 1 ton	1 ton and under 5 tons	5 tons and under 25 tons
Per Cwt.	s. d.	s. d.	s. d.	s. d.	s. d.
TINS					
14-lb.	281 0	276 6	272 6	268 0	265 6
28-lb.	279 0	274 6	270 6	266 0	263 6
56-lb.	275 0	270 6	266 6	262 0	259 6
DRUMS					
1-cwt.	—	254 6	250 6	246 0	244 6
2½-cwt.	—	251 6	248 0	243 6	242 0
5-cwt.	—	—	247 6	243 0	241 6
10-cwt.	—	—	246 6	242 6	241 0

For 25 tons and upwards the price is from 265s. 6d. to 240s. as to containers. Bulk deliveries in tank wagons from 207s. 6d. to 208s. 6d. Technical grade glycerin, s.g. 1·2627, is 5s. per cwt. less than the above.

HOMATROPINE.—Current rates (per oz.) for 16-oz. lots are now: ALKALOID, 30s. 6d.; HYDROBROMIDE, 24s. 6d.; HYDROCHLORIDE, 28s. 6d.; METHYLBROMIDE, 25s. 6d. 1-oz. rates are 1s. 6d. per oz. above those rates.

HYDROCYANIC ACID. — Dilute B.P.C. is from 3s. 2d. to 4s. per litre, as to quantity; Scheeles is from 3s. 10d. to 4s. 9d. per litre.

ICHTHAMMOL. — B.P. is from 2s. to 2s. 6d. per lb. in 1-cwt. lots as to origin and container.

IODIDES. — (Per kilo). POTASSIUM, 50-kilo lots and over 15s.; SODIUM, 20s. 6d.; AMMONIUM, 45s.

IODINE.—Resublimed in 50-kilo lots or over, 23s. 1d. per kilo. Minimum delivered rate for CRUDE is 15s. per kilo.

IODOFORM.—Powder is 22s. 4d. per lb. in 28-lb. lots; 21s. 8d. in 1-cwt. and 21s. 1d. in 5-cwt. lots. Crystals are 3s. per lb. more than the powder.

LACTATES. — CALCIUM, B.P. is 2s. 3d. per lb. in 5-cwt. lots and 2s. 4d. in 1-cwt. lots; CALCIUM SODIUM for similar quantities is 4s. 9d. and 4s. 10d. per lb.

LACTOSE.—English, in 1-ton lots packed in 1-cwt. paper-lined sacks, is £129 10s. per ton, delivered in the United Kingdom.

MENAPHTHONE. — B.P. is £8 per kilo; ACETOMENAPHTHONE, B.P., £8; WATER-SOLUBLE (menadione sodium bisulphite, U.S.P.), £9 per kilo.

NICOTINAMIDE.—Prices per kilo are now: 1 kilo, 61s.; 10 kilos, 59s.; 50 kilos, 57s.

NICOTINIC ACID.—Prices per kilo are 39s. for 1-kilo and 36s. for 50-kilo lots.

NIKETHAMIDE.—Price per kilo is 100s.

PARACETAMOL.—Minimum price for 10-cwt. lots is 10s. 9d. per lb.; 56-lb. 11s.

PARAFFINS. — Prices to wholesale distributors are:—*Liquid:* HEAVY, B.P., £102 2s. 6d. per ton; LIGHT B.P., £84; *Technical White oils*, £75 10s. for the LIGHT and £89 for the MEDIUM. All in 40–50 gall. returnable loaned drums, delivered U.K. *Soft:* WHITE, medium consistency is £110 15s. per ton and soft consistency £107 7s. 6d. Yellow, £88 10s., all B.P., in non-returnable drums delivered.

PYRIDOXINE. — Manufacturers' rate for 1 kilo is £63 15s. per kilo; 10 kilos, £62.

QUININE. — Makers' rates for 1,000-oz. lots are now:—SULPHATE, B.P., 1932, 1s. 10d. per oz.; SULPHATE, B.P., 1953, 2s. 0½d.; BISULPHATE, 1s. 10d.; DI-HYDROCHLORIDE, 2s. 4¾d.; HYDROCHLORIDE, 2s. 6½d.; ETHYL CARBONATE, 4s. 3d.

RIBOFLAVINE. — 1-kilo is £13 17s. 6d.; 10-kilo lots, £13 10s. per kilo.

SACCHARIN.—In lots of 1 lb. and over B.P.C. powder is quoted at 99s. 10d. per lb., the SODIUM SALT is 80s. 10d. per lb. Prices include duty and carriage.

SALICIN.—Quoted at 17s. 6d. per oz.

SALICYLIC ACID.—Prices are now: 5-cwt. lots in bulk, 3s. 0½d. per lb.; 1-cwt. 3s. 2½d.

SANTONIN. — 5-kilo lots, 400s. per kilo (11s. 4d. per oz.).

SEMICARBAZIDE HYDROCHLORIDE.—Technical grade is 15s. 8d. per lb. for 1-cwt. lots.

SILVER SALTS. — PROTEIN, 36s. 3d. to 42s. 9d. per lb.; VITELLIN from 68s. 6d. to 76s. 6d. per lb. as to quantity.

SULPHOCARBOLATES.—SODIUM PHENOSULPHONATE, B.P.C., 1949 (powder) is 5s. 6d. per lb. in 1-cwt. lots and ZINC, B.P.C., 1949, is 5s. 6d.

SULPHUR.—(Per ton in 1-ton lots), B.P. PRECIPITATE, £112 10s.; SUBLIMED, B.P. £47 10s.; POWDER, 100 mesh, £25 10s.

TANNIC ACID.—The B.P. levis,, ex ether is quoted at 9s. 9d. per lb. for 1-cwt. lots. The B.P. powder is 9s. 3d. per lb. in 1-cwt. lots.

TARTARIC ACID. — Rates for the home trade are now as follows:—10-cwt. lots, 300s. per cwt.; 5–9 cwt., 302s.; 2–4 cwt., 304s.; 1-cwt., 305s.

TEREBENE. — For 1-carboy lots, 4s. 2d. per lb. is asked. In winchesters, prices are 15s. 9d. per lb.; 28-lb., 14s. 6d.

TEREBINTH.—B.P. is 2s. 3d. per lb.

UREA. — Manufacturers' rates for pharmaceutical grade are £63 per ton in 1-cwt. bags non-returnable. Technical quality is £44 10s. per ton.

VITAMIN A.—Synthetic. Supplied in concentrate 1 million international units per gm. as acetate or palmitate the price is 9½d. per million i.u.

VITAMIN D_2.—In oil, 2 million units per gm. the price is 2d. per million international units. Crystalline: see under calciferol.

VITAMIN E (synthetic or natural).—TOCOPHERYL ACETATE, B.P.C., 25 gm. to 100 gm., 11d. per gm.; 100 gm. to 1 kilo, 9d. per gm.; 1 kilo and under 10 kilos, £31 5s. per kilo; 10 kilos, £30 10s. per kilo. Equivalent prices for unesterified are: 1s. and 10d. per gm. and £37 and £35 10s. per kilo.

ZINC OXIDE.—B.P. in 2-ton lots, £122 10s. per ton; 1 ton, £123 10s. per ton; 10 cwt., £125 10s.

ZINC PEROXIDE. — Price (per lb.) for 1-cwt. lots of B.P. is 5s. 3d.

Crude Drugs

ACONITE. — Spot supplies of Spanish *napellus* are 2s. 6d. per lb.

AGAR.—Kobe No. 1 is 12s. 6d. per lb., in bond, and for shipment, 12s. 3d., c.i.f., new crop.

ALOES. — Cape primes, spot, 195s. per cwt. quoted; for shipment 180s. Curaçao, 500s., spot.

BALSAMS. — Quotations per lb. are:— CANADA: Spot, 22s. COPAIBA: Para from 7s., duty paid. PERU: Spot, 10s. in bond. TOLU (genuine as imported): spot cleared and B.P., 14s. 3d.

BENZOIN.—Sumatra block on the spot is £22 to £30 as to quality.

BUCHU.—Spot rounds are 4s. to 4s. 3d. per lb. and shipment, 4s. 3d., c.i.f.

CALAMUS.—Root is quoted at 1s. 2d. per lb., c.i.f.

CALUMBA.—Root is 100s. per cwt., spot.

CARDAMOMS.—Aleppy greens, spot 15s. per lb., c.i.f.; prompt shipment, 13s. 9d., c.i.f. Seeds, shipment, 20s., c.i.f.

CLOVES. — Zanzibar on the spot are 2s. 10d. per lb. shipment, 2s. 6¼d., c.i.f.

CINNAMON QUILLS.—Shipment (c.i.f., per lb.) 4 O's, 6s. 3½d.; 3 O's, 6s. 0½d.; O, 5s. 8¾d.; quillings, 3s. 8d.; featherings, 1s. 11¾d.

COLOCYNTH PULP.—Spot, 2s. 6d. per lb.

DIGITALIS. — *Purpurea* for shipment, 1s. 2½d. to 2s. 6d. per lb., c.i.f., as to quality.

ERGOT. — Portuguese, 5s. per lb., c.i.f.; spot, 5s. 6d. East European not offering.

FRANGULA.—Spot is 105s. per cwt.

GINGER.—African 130s. per cwt. spot. Jamaican No. 3, spot, 185s., and shipment, 185s., c.i.f. Cochin spot quoted 135s. to 140s.

GUM ACACIA. — Kordofan cleaned sorts are 195s. per cwt. on the spot; December–January shipment, 170s., c.i.f.

HONEY. — Australian light amber is 95s. to 100s. and medium amber 90s. to 95s. Argentine, 95s. to 100s.; Jamaican, 115s. to 120s.; Canadian clover, 150s. to 155s., all per cwt. on the spot ex warehouse.

IPECACUANHA.—Nicaraguan, 68s. 6d. per lb., c.i.f. Spot, Matto Grosso, 56s.; Colombian, 55s.

KARAYA. — No. 1 gum on the spot is quoted at 260s. per cwt. nominal, No. 2 at 230s., nominal.

KOLA NUTS. — Jamaican for shipment, 7d. per lb., c.i.f. African, 5½d. spot and 4d., c.i.f.

LANOLIN. — ANHYDROUS, B.P. is from 170s. to 175s. per cwt. in 1-ton lots and HYDROUS, B.P., 150s., free drums, delivered.

LIQUORICE. — Natural root: Persian on the spot is 47s. 6d. and Anatolian, 60s. per cwt. Block juice: Anatolian and Chinese, 190s. per cwt.; Italian stick from 310s. to 476s. per cwt.

LOBELIA HERB.—American spot, 3s. 9d. per lb.; Dutch, 3s. 6d.

MENTHOL.—Chinese spot is 58s. 6d., duty paid. Afloat 56s., c.i.f.; shipment not offering. Brazilian, 40s., in bond, 39s. 6d., c.i.f.

NUTMEGS. — West Indian 80's 13s. 6d. per lb., spot; sound unassorted, 10s.; defectives, 8s.

ORANGE PEEL. — Spot: Sweet ribbon, 2s. per lb.; bitter quarters: West Indian, 1s.; Spanish, 1s. 7d.

PAPAIN. — Tanganyikan 15s. per lb., c.i.f., for grade one, spot, 17s. 6d. Ceylon, No. 1 white, 15s., c.i.f.

PEPPER. — White Sarawak, 4s. 7½d. per lb., spot; December shipment, 4s. 5½d. Black Sarawak, 3s. 9d.; shipment, 3s. 5d. Malabar black, new crop for January–February shipment, 400s. per cwt.

PIMENTO. — Spot nominal; shipment, 540s. per cwt., f.o.b.

PYRETHRUM.—Extract, minimum, 25 per cent. w/w pyrethrins, is 75s. per lb. for small lots.

QUASSIA.—Spot offers are 55s. per cwt., ex wharf.

QUILLAIA.—Spot offers of whole bark at 100s. per cwt.; cut, 160s. Whole for shipment, 90s., c.i.f.

SEEDS.—(Per cwt.). ANISE.—Bulgarian, 120s.; Spanish, 165s.; Turkish, 130s., all duty paid. CARAWAY.—Dutch unchanged at 140s., duty paid. CELERY.—Indian on spot is now 140s.; shipment, firm at 115s., c.i.f. CORIANDER.—Moroccan offering at 45s., duty paid; shipment, 32s., 6d., duty paid. CUMIN.—Iranian on spot is 275s., duty paid; shipment, 250s., c.i.f. DILL.—Indian, 90s., spot; shipment, 82s. 6d., c.i.f. FENNEL.—Chinese, 100s., spot. FENUGREEK.—Moroccan, 42s. 6d., duty paid; shipment, 32s. 6d., c.i.f. MUSTARD.—English, 77s. 6d. to 87s. 6d., according to quality.

SENEGA.—Spot, 19s. 6d. per lb.; shipment, small lots at 18s. 9d., c. and f. quoted.

SENNA. — *Tinnevelly* LEAVES, prime No. 1, 1s. 5d. per lb., f.a.q.; No. 3, 9d. PODS: Manufacturing (f.a.q.), 1s. 1d. and hand-picked, 1s. 9d. to 2s. 2d. *Alexandria* pods: Manufacturing, offered from 1s. 6d. with hand-picked from 4s. 6d. to 7s.

TRAGACANTH.—No. 1 ribbon is £120 to £125 per cwt. No. 2, £110 to £115.

TURMERIC. — Madras finger on spot is 117s. 6d. per cwt.; new crop, April–May shipment, 97s. 6d., c.i.f.

WAXES. — (Per cwt.). BEES'.—Dar-es-Salaam, spot, 480s.; shipment, 465s., c.i.f. Abyssinian, spot 410s. in bond; shipment, 405s., c.i.f. Benguela, shipment, 405s., c.i.f. Sudanese, spot, 450s.; shipment, 400s., c.i.f. CANDELLILA.—Spot 445s. CARNAUBA.—Fatty grey spot, 630s. for shipment, 600s., c.i.f. Prime yellow, spot, 980s.; shipment, 905s., c.i.f.

Essential and Expressed Oils

ALMOND. — Moroccan, 6s. per lb., duty paid.

AMBER.—Rectified on the spot is 1s. 6d. per lb.

ARACHIS.—Spot, 2–5-ton lots naked ex mill, £128 per ton.

BAY.—West Indian is 12s. 6d. per lb. on the spot.

BERGAMOT.—Spot supplies are from 77s. per lb.

BOIS DE ROSE.—Brazilian is 14s. 9d. per lb. on the spot and 14s. 6d., c.i.f.

CADE. — Spanish is 3s. 6d. per lb. for drum lots.

CALAMUS.—Spot quotations are 62s. 6d. per lb.

CAMPHOR, WHITE. — Chinese is 1s. 9d. per lb. in bond.

CANANGA. — Spot is from 42s. 6d. to 45s. per lb.

CARAWAY.—Imported oil is 27s. 6d. per lb.

CASSIA.—Spot is 14s. 3d. per lb.; shipment, 13s. 9d., c.i.f.

CASTOR.—Home-produced B.P. oil on the spot, £150 per ton naked ex mill (2-ton lots).

CHENOPODIUM.—Spot value is 38s. per lb. for original containers.

CINNAMON. — From quillings, best English-distilled is 50s. per oz.; other B.P. oils from 165s. per lb. Ceylon leaf, spot, 9s. 9d. per lb.; rectified, 11s. 6d. per lb.; Seychelles, 8s. 6d., spot.

CITRONELLA.—Ceylon, spot, 6s. nominal; shipment, 5s. 10½d. per lb., c.i.f. Formosan, spot 5s. 4½d. in bond, shipment, 5s. 5d., c.i.f.

CLOVE.—Madagascar leaf, spot, 9s. 3d. per lb., duty paid; shipment, 7s. 8d., c.i.f. Rectified 87–88 per cent., 8s. 6d. Distilled bud oil, English B.P., 30s. to 31s.

COD-LIVER. — B.P. is 11s. 6d. per gal. in charged returnable drums. Veterinary is from 9s. 6d. per gall.

CORIANDER. — B.P. oil is quoted from 62s. 6d. per lb.

CUMIN.—Imported oil is now about 90s. per lb.

DILL.—Imported is 8s. 6d. per lb., spot.

FENNEL.—Spanish sweet on the spot is quoted at 12s. 6d. per lb.

GERANIUM. — Bourbon is 140s. per lb. on the spot.

GINGER. — English-distilled oil is 160s. per lb. Imported: Jamaican. 130s.; Chinese, 72s. 6d., duty paid.

LAVANDIN.—Spot is from 6s. to 9s. per lb. for original drums.

LAVENDER.—From 24s. to 37s. 6d. per lb. as to quality.

LAVENDER SPIKE.—Spanish is at 15s. to 17s. per lb. for original drums.

LEMONGRASS. — Spot, 13s. 9d. per lb., and shipment, 13s. 3d., c.i.f.

NUTMEG.—Imported B.P. oil is 90s. per lb. English distilled 100s.

ORANGE.—Spot quotations of sweet oil include Floridan at 5s. per lb.; Californian, 7s. 6d.; West Indian, 7s.; West African, 14s.; Israeli, 12s. 6d. Terpeneless is 200s. per lb., spot.

PENNYROYAL.—Spot is quoted from 15s. per lb., duty paid.

PEPPERMINT. — *Arvensis*: Chinese for shipment nominally 30s., c.i.f. Brazilian 10s. 9d. to 11s. 3d. spot and shipment, 10s. 6d., c.i.f. *Piperita:* Italian "Mitcham-type" from 42s. 6d. to 48s. 6d.; American, 26s. to 30s., as to origin.

RUE.—Spanish is 25s. per lb. spot.

SANDALWOOD. — Mysore, spot 95s. to 97s. 6d. per lb. East Indian, 96s. to 97s. 6d. per lb. Australian, 60s.

TANGERINE.—Hand-pressed is 55s. per lb. and machine-pressed, 42s. 6d.; others, 26s. to 28s. on the spot.

VETIVERT. — Spot is currently at about 95s. per lb.

YLANG YLANG.—Spot is from 32s. 6d. to 46s. per lb. as to grade.

UNITED STATES REPORT

NEW YORK, DECEMBER 8: Veterinary grade NEOMYCIN was reduced by half a cent to 13½ cents per gm. Two drug makers have announced a 15 per cent. reduction in the price of their anti-fungal antibiotics. The prospect of competition from a third company is understood to be a major reason for the price cuts, the second in less than a month. The previous reductions were by 20 per cent. The two companies said the price cuts had no relation to the Senate subcommittee hearings on drug prices that opened in Washington on December 7. Higher per lb. among CRUDE DRUGS were BOLDO LEAVES at 16 cents, up two cents; TOLU BALSAM at $3·25, up 25 cents; HYOSCYAMUS at 40 cents, up five cents, and COLCHICUM SEED at 70 cents. Lower per lb. was LYCOPODIUM at $3·25, down 25 cents. Higher per lb. among ESSENTIAL OILS were SPEARMINT at $10 (up $1·25); and CUBEB at $14 ($1), CLARY SAGE declined to $26 per lb. (down $4). Indian LEMONGRASS was offered at $2·15, or about ten cents below recent offerings.

United States TURPENTINE production is to be 2 per cent. higher in 1959 than in 1958, with prices up by 4 per cent.

WORLD TRADE

Caribbean Arrowroot Supplies.—The 1958–59 crop of arrowroot in the British Eastern Caribbean is understood to have been in the neighbourhood of 35,000 barrels. Stocks on hand at the end of July (the latest figure currently available) was 15,652 barrels and, during that month, 2,500 barrels were exported to the United States and about 800 to other destinations.

Kenya Pyrethrum Crop Details.—In the year ending June 1960 the pyrethrum flower crop in Kenya is expected to amount to 6,500 tons, with an estimated export value of the flower, or of the insecticide extracted from it, of £2½ millions, of which exports to the United States will account for about £2 millions. The crop estimate is an increase of 2,450 tons, or more than a third, over last year's actual crop, yet it is less than planned, adverse weather having restricted growth of the flowers. According to the present trend of its order book, the Pyrethrum Board of Kenya estimates that it could have sold overseas about 12 per cent. more than the estimated 1959–60 crop. To meet steadily increasing overseas demand from insecticide manufacturers the board foresees a production in the ensuing year, by European and African farmers, of 8,000 tons of pyrethrum flowers with an export value of over £3 millions. Because of freight costs the flowers are now mainly extracted in Kenya and the extract shipped.

Australian Import Licensing Relaxations.—Further relaxations in Australian import restrictions to a value of A£25 millions a year to take effect from the beginning of the new import licensing period which started on December 1 were announced in Canberra by the Australian Minister of Trade (Mr. John McEwen) on November 29. The relaxations range over the whole field of imports and include substantial easing of restrictions on dollar goods. The measure lifts the ceiling on imports to the highest rate since 1951–52. Mr. McEwen said the new relaxations would mean that except for motor vehicles and a few consumer goods Australian importers would now be able to use their licences in any country. The Government intended to remove the remaining discriminations against dollar goods within a relatively short period. Discrimination against dollar vehicle imports would be removed from October 1, 1960. The relaxations announced would exempt 16 additional items of industrial materials involving about A£2 millions in trade yearly; place 48 additional items in the import replacement category which would virtually free them from restriction—those items involve about A£6 millions in trade yearly; increase allocations for material and equipment licensed under the administrative category — that increase would absorb the greater part of the A£25 millions relaxation, increase quotas for goods under Category B by 5 per cent.; transfer a few category A items to category B and increase permissible imports by 5 per cent.; remove discrimination against timber imports from the dollar area.

TRADE MARKS

APPLICATIONS ADVERTISED BEFORE REGISTRATION

From the "Trade Marks Journal," November 25

For lipsticks cases (sold empty) not made of precious metal or coated therewith (3)

FLIPETTE, B791,085, by Kigu, Ltd., London, N.W.10.

For tooth-paste and mouth washes (being toilet articles not medicated) (3)

ALBATRICE, 791,105, by Newton Products, London, E.2.

For bath oils and bath essences (3)

VELVETTES, 790,986, by Morny, Ltd., Perivale, Middlesex.

For soaps, perfumes, non-medicated toilet preparations, eau de Cologne, essential oils, cosmetics, hair lotions and dentifrices (3)

COLORETE, 793,041, by Eau de Cologne and Parfümerie-Fabrik, Glockengasse No. 4711, Gegenuber der Pferdepost von Ferd. Mülhens, Cologne-on-Rhine, Germany.

For pharmaceutical, veterinary and sanitary substances, and infants' and invalids' foods (5)

Device, B782,416, by Mead Johnson & Co., Evansville, Indiana, U.S.A.

For all goods (5)

DECAPRONEX, 786,779, SEROPRES, 791,047, by Merck & Co., Inc., Rahway, New Jersey, U.S.A. BRETALIN, 790,810, by Prince Regent Tar Co., Ltd., London, W.C.2. QUADRIVIRIN, 793,234, by Glaxo Laboratories, Ltd., Greenford, Middlesex. MEDECON, 793,287, by R. S. Caplin, Ltd., London, W.1.

For antibiotic preparations and substances (5)

PENOCIN, 787,756, by C. L. Bencard, Ltd., London, N.W.10. SUPRACILLIN, 792,963, by Beecham Research Laboratories, Ltd., Brentford, Middlesex.

For pharmaceutical preparations and substances (5)

BENCACILLIN, 789,728, by C. L. Bencard, Ltd., London, N.W.10. Device with words PARAFANGO DI BATTAGLIA, 788,830, by Fango Co. (Export-Gesellschaft für Quellenprodukte), G.m.b.H., Rapperswil, St. Gallen, Switzerland. SONRISAL, 793,904, by Scott & Turner, Ltd., Newcastle-on-Tyne.

For insecticides, fungicides and preparations for killing weeds and destroying vermin (5)

APHITOX, 790,355, by British Schering, Ltd., London, W.8.

For antibiotic preparations (5)

BENCIL, 790,663, by C. L. Bencard, Ltd., London, N.W.10.

For medicinal preparations and substances all containing herbs (5)

FRANK ROBERTS, 791,763, by Frank Roberts, Bristol, 6.

For laxative preparations (5)

DIOLAX, 791,876, by Beecham Research Laboratories, Ltd., Brentford, Middlesex.

For pharmaceutical preparations and substances for veterinary use (5)

TENULES, 792,611, by Boots Pure Drug Co., Ltd., Nottingham. HEPROVAX, 793,081, by Willows Francis, Ltd., London, E.8.

For fungicides, insecticides and chemical substances for use in the treatment of ringworm and fungus diseases in human beings and animals (5)

Device with word CUPRINOL, 792,729, by Cuprinol, Ltd., London, S.W.1.

For medicinal preparations containing antihistamines (5)

PRO-ACTIDIL, 792,623, by Wellcome Foundation, Ltd., London, N.W.1.

For pharmaceutical preparations containing chlorhydroxyquinoline and tar, being goods in cream form for use by external application in the treatment of diseases of the skin (5)

TARDROX, 793,317, by Carlton Laboratories (Southern), Ltd., Brighton, Sussex.

For pharmaceutical preparations (5)

FEMIPAUSIN, 793,819, by Farbwerke Hoechst, A.G., vormals Meister Lucius & Brüning, Frankfurt-on-Main, Germany.

For photographic instruments and apparatus; and scientific and chemical instruments and apparatus (9)

SILVERSON, B790,095, by Silverson Machine (Sales), Ltd., London, S.E.15.

For babies' napkins of textile materials, and of paper, and articles of clothing (25)

Device, 782,182, by Lilia-White (Sales), Ltd., London, E.C.1.

From the "Trade Marks Journal," December 2

For detergents (not for use in industrial and manufacturing processes), preparations and substances for laundry use; cleaning, polishing, scouring and abrasive preparations; soaps, perfumes and non-medicated toilet preparations; essential oils; cosmetics, hair lotions and dentifrices (3)

Device with word STIVO, 786,116, by United Suppliers Co., Ltd., London, S.E.1.

For preparations for use in cleaning cinematograph film (3)

Device with word CINICLEN, 788,756, by Photographic Electrical Co., Ltd., London, W.1.

For preparations for waving the hair (3)

POLINET, 788,812, by G. W. Scaddan & Co., Ltd., Reading, Berks.

For all goods (3)

Device, 791,240, by S. C. Johnson & Son, Inc., Racine, Wisconsin, U.S.A. GOURMET, 792,117, by Gourmet & Co., Ltd., London, N.W.8. NIMBUS, 793,367, by Northamptonshire (Town & County) Association for the Blind, Northampton. BUTY BON, 792,745, I. J. & G. Cooper, Ltd., Manchester, 1. Device with words LYRIL, 793,704, by Hudson & Knight, Ltd., London, E.C.4.

For all goods for babies (3) *and* (5)

BABYVEA, 792,190-91, by Société de Parfumerie Nivea, Saint-Maur, Seine, France.

For preparations for laundry purposes but not including common soap or soap powder, all for sale in the United Kingdom otherwise than for export, but not excluding goods for export to the Irish Republic (3)

Device with word ROBIN, 793,508, by Reckitt & Sons, Ltd., Hull, Yorks.

WILLS

MR. A. E. AXTELL, M.P.S., Beaufort House, Kidlington, Oxford, left £29,019 (£27,341 net).

MR. H. BOLTON, M.P.S., 39 Albany Road, St. Leonards-on-Sea, Sussex, left £10,327 (£10,245 net).

MR. A. HUNT, M.P.S., Waihola, Fernhill Heath, Worcs, left £13,455 (£13,389 net).

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

Monday, December 14

PESTICIDES GROUP, SOCIETY OF CHEMICAL INDUSTRY, 14 Belgrave Square, London, S.W.1, at 5.30 p.m. Mr. P. B. Cornwell on "Insect Control by Gamma Irradiation."

ROMFORD BRANCH, PHARMACEUTICAL SOCIETY, Broadway restaurant, Hutton Road, Shenfield, at 7.45 p.m. Mrs. B. H. E. Stockwell on "Floral Art in Christmas Decoration."

SOUTHPORT BRANCH, PHARMACEUTICAL SOCIETY, Royal hotel, at 7.45 p.m. Meeting.

Tuesday, December 15

NORTH STAFFS BRANCH, PHARMACEUTICAL SOCIETY, North Stafford hotel, at 7.30 p.m. Wine-tasting evening.

Wednesday, December 16

BOURNEMOUTH BRANCH, PHARMACEUTICAL SOCIETY, Grand hotel, at 8 p.m. Christmas dance.

MICROCHEMISTRY GROUP, SOCIETY FOR ANALYTICAL CHEMISTRY, The Feathers hotel, Tudor Street, London, E.C.4, at 6.30 p.m. Miss M. Corner and Mr. C. B. Dennis on "Applications of the Flask Combustion.'

NOTTINGHAM BRANCH, NATIONAL ASSOCIATION OF WOMEN PHARMACISTS, Albert Hall institute, at 7 p.m. "Bring-and-buy" evening.

SOCIETY OF COSMETIC CHEMISTS, Royal Society of Arts, John Adams Street, Adelphi, London, W.C.2, at 7.30 p.m. Dr. G. L. Riddell on "Packaging and Package Testing."

Thursday, December 17

BIRKENHEAD AND WIRRAL ASSOCIATION and BRANCH, Oxton conservative club. Christmas party.

Friday, December 18

FINE CHEMICALS GROUP, SOCIETY OF CHEMICAL INDUSTRY, 14 Belgrave Square, London, S.W.1, at 6.30 p.m. Dr. F. E. Camps on "Some Aspects of Forensic Science."

TELEVISION

December 20–26	London	Midland	North	Scotland	Wales South	N.E.	Anglia	Ulster
Alka-Seltzer	4	3	11	4	4	10	6	2
Anadin	4	4	4	4	—	4	3	—
Askit	—	—	—	12	—	—	—	7
Astrem tablets	—	—	1	—	—	—	—	—
Beecham's pills	2	—	—	—	—	—	—	—
Beecham's powders	1	1	5	8	1	1	1	9
Bristow's Starspray	2	—	—	—	—	1	—	—
Brylcreem	4	4	4	11	4	4	11	—
Camay	4	4	7	5	5	4	5	5
Cephos	—	—	3	—	—	—	—	—
Daxaids	—	7	4	—	7	—	—	—
Eno's " Fruit Salt "	4	3	7	—	—	—	—	—
Germolene	1	1	1	1	—	1	1	—
Gillette	—	—	2	1	2	1	—	1
Hiltone	—	—	3	—	—	—	—	—
Kleenex	1	—	—	—	—	—	—	—
Max Factor preparations	1	—	—	—	—	—	1	1
Mentholatum deep heat rub	—	—	—	—	—	—	—	1
Milk of Magnesia	—	—	—	—	1	—	—	—
tablets	—	—	1	—	—	—	—	—
Pal Injecto-matic	2	2	1	2	1	2	2	1
Phyllosan	—	—	—	—	1	—	—	1
Polly Roll	—	—	—	—	—	—	1	—
Remington shavers	—	1	2	—	—	5	3	—
Ronson shavers	3	6	5	—	—	—	—	—
Savlon lozenges	—	—	—	1	—	—	1	—
Setlers	3	3	3	3	2	2	1	—
Shavex	1	—	—	—	—	—	—	—
Sun Orange Quosh	—	—	—	—	1	—	—	—
Ultraplast	—	—	—	—	—	—	1	—



STILL FROM " COMMERCIAL " : A scene from the latest 2-minute Delsey toilet tissue commercial. Mr. Carpenter (marketing director, Kimberly-Clark, Ltd., Larkfield, nr. Maidstone, Kent) explains to Mr. Duncan (a retailer), how the saving on the packaging and wrapping of a Delsey double roll is passed on to the consumer.

PRINT AND PUBLICITY

PRESS ADVERTISING

J. ALLEN RUBBER CO., LTD., Whitecroft, Lydney, Glos: Marigold rubber gloves. In *Good Housekeeping, Ideal Home, Housewife, Home, Everywoman, Homes & Gardens, Woman's Journal, Woman & Beauty.*

IMPERIAL CHEMICAL INDUSTRIES, LTD., pharmaceuticals division, Fulshaw Hall, Wilmslow, Ches: Savlon lozenges. In *Daily Express, Daily Mail, Daily Mirror, Daily Telegraph, Aberdeen Evening Press, Belfast Evening Telegraph, Radio Times, TV Press* and *Thompson's Weekly News* during January.

DISPLAY

TOBAL LABORATORIES, LTD., 8 Baker Street, London, W.1: Three-colour crowners for 2-oz. and 4-oz. Antussin.

WHITEWAYS CYDER CO., LTD., Whimple, Devon: Sanatogen tonic wine showcard 7⅜ x 5⅝ in.

PUBLICATIONS
Medical Propaganda

Manufacturers' leaflets, folders, booklets, etc., directed to doctors but available to pharmacists.

BRITISH SCHERING, LTD., 229 Kensington High Street, London, W.8: " Albucid nasal spray," " Cortucid eye drop cream " (cards).

GEIGY PHARMACEUTICAL CO., LTD., Wythenshawe, Manchester, 23: " Acta Rheumatologica No. 9 —osteo-arthritis of the hip " (111-p. booklet); " Delta-Butazolidin " (blotter, abstract and 8-p. booklets); " Taoryl " towns competition, " Tofranil " (14-p. booklet), " Eurax " (10-p. booklet).

GLAXO LABORATORIES, LTD., Greenford, Middlesex: " Fersamal " (information card).

PHARMACEUTICAL SPECIALITIES (MAY & BAKER), LTD., Dagenham, Essex: " Amphactil " (information card), " Nivaquine " (4-p. leaflet and 16-p. booklet), " Pamergan " (18-p. booklet), " Stemetil in general medicine " (21-p. booklet), " Stemetil in psychiatry " (23-p. booklet).

ROCHE PRODUCTS, LTD., 15 Manchester Square, London, W.1: " Thephorin review—neurology " (4-p. folder), Gantrisin (blotter).

ROUSSEL LABORATORIES, LTD., 847 Harrow Road, London, N.W.10: " Dexa Cortisyl " (6-p. folder).

G. D. SEARLE & CO., LTD., Lane End Road, High Wycombe, Bucks: " Mornidine "—reference manual No. 11 (16-p. booklet).

THE BRITISH DRUG HOUSES, LTD., Graham Street, London, N.1: " Pernivit " (folder).

UPJOHN OF ENGLAND, LTD., Fleming Way, Crawley, Sussex: " Medrone in ocular inflammatory diseases " (4-p. folder).

VITAMINS, LTD., Upper Mall, London, W.6: " Bemax as a dietary supplement to treatment " 8-p. booklet). Vitavel syrup (folders).

WARD, BLENKINSOP & CO., LTD., 37 Queen Square, London, W.C.1: " Honvan " (information card), " Pavacol and Adaprin " (blotter).

C. & D. WEEKLY LIST OF PRICES

A = Advanced; R = Reduced; I.R.P. = Inclusive Retail Price; * = Tax 25 per cent.; ‡ = Tax 50 per cent.

THE BRITISH DRUG HOUSES, LTD. (from December 14)

Pectamol cough linctus dispensing packs	Each 250 mils	7 11	*R*
	2 litres	49 2	*R*

LEDERLE LABORATORIES DIVISION, CYANAMID OF GREAT BRITAIN, LTD.

Milltown tablets				
400 mgm.	50	9 0	**13 6**	*R*
	250	38 8	**58 0**	*R*
capsules 200 mgm.	50	6 6	**9 9**	*R*
	250	24 0	**36 0**	*R*
400 mgm.	50	9 0	**13 6**	*R*
	250	38 8	**58 0**	*R*

MERCK SHARP & DOHME, LTD. (from December 9)

			I.R.P.	
Saluric tablets	100	39 0	**58 6**	*R*
	500	189 0	**283 6**	*R*

JOHN WYETH & BRO., LTD. (from December 14)

Equanil tablets		Doz.		
200 mgm.	20	27 6	**3 1**	*R*
		Each		
	250	22 11	**30 6**	*R*
		Doz.		
400 mgm.	20	42 9	**4 9**	*R*
		Each		
		38 8	**51 7**	*R*

P.A.T.A. LIST

(Alterations notified this week by the Proprietary Articles Trade Association.)

ADDITION TO THE LIST

GREENWOOD LABORATORIES, LTD.

	Doz.	
Formula 21	189 0	**21 0**

NEW PRODUCTS AND PACKS

BOOTS PURE DRUG CO., LTD.

		Each
Junivite syrup	4 fl. oz.	2 0
	8 fl. oz.	3 8

ANDRE PHILIPPE, LTD.

	Doz.	
No. 17 hair conditioning cream " dispenser "†	12 0	**2 0**

RANK PRECISION INDUSTRIES, LTD. (CINE & PHOTOGRAPHIC DIVISION)

Bell & Howell " Autoset " 8-mm. turret-head ciné camera	**1199 9**

ROZALEX, LTD.

Perfumed Rozalex*	**2 6**

JAMES WOOLLEY SONS & CO., LTD.

Cebevite (Woolley)	
10 fl. oz.	**14 6**
20 fl. oz.	**27 0**
40 fl. oz.	**52 0**
80 fl. oz.	**99 6**

C. & D. RETAIL AND DISPENSING PRICE LIST

The drug index for November was 209·2

Cost d.	per	Item	16 oz. s. d.	4 oz. s. d.	1 oz. s. d.	1 dr. s. d.
150	500 gm.	Acacia alb. elect....	—	4 10	1 5	0 2½
108	500 gm.	Camphora (natural)	—	3 6	1 1	0 2
62	100 gm.	Copaiba, B.P.C. '49	—	—	2 6	0 4½
30	500 mils	Cresol ... ... **P.I.(8)**	—	0 11½	0 3½	—
39	500 gm.	Cupri sulphas	—	1 3	0 4½	0 1
162	100 mils	Ext. senegæ liq.	—	—	7 0	1 0
84	500 gm.	Ferri et ammon. citras	—	2 8	0 10	0 1½
52	25 gm.	Guaiacol. carb., B.P.C. '49 ...	—	—	7 4	1 1
264	500 mils	Inf. senegæ conc., B.P.C. ...	—	—	2 7	0 5
220	2 litres	Lin. methyl. salicyl., B.P.C. ...	—	1 9	0 6½	0 1
72	500 gm.	Nux vomica præp. **S.1. (5)**	—	2 4	0 8½	—
65	25 gm.	Ol. anethi	—	—	—	1 3
30	500 gm.	Paraffinum dur.	3 5	0 11½	0 3½	—
36	500 gm.	Paraffinum molle alb.	4 1	1 2	0 4	—
116	2 kg.	Paraffinum molle flav.	3 3	0 11	0 3½	—
70	500 gm.	Potassii carbonas, B.P.C. '49 ...	—	2 3	0 8	0 1
63	500 gm.	Potassii chloras, B.P.C.	—	2 0	0 7½	0 1
99	500 gm.	Pulv. cretæ aromat.	—	3 2	0 11½	0 1½
37	25 gm.	Salol, B.P.C.	—	—	5 3	0 9
69	500 gm.	Sodii acetas, B.P.C. '49	—	2 3	0 8	—
204	500 gm.	Sodii aminosalicylas	—	6 7	2 0	0 3½
57	500 gm.	Sodii et potass. tart.	—	1 10	0 6½	0 1
155	500 mils	Tinct. benzoin. co.	—	5 0	1 6	0 2½
69	25 mils	Tinct. cannabis ... ... **D.D.**	—	—	—	1 10
72	100 mils	Tinct. hydrastis, B.P.C. '49 ...	—	—	3 0	0 5½
204	500 mils	Tinct. senegæ, B.P.C.	—	6 7	2 0	0 3½
192	500 gm.	Ung. hydrarg. plumbi et zinci, B.P.C. '49	—	6 2	1 10	0 3
124	2 kilo	Zinci oxidum	3 6	1 0	0 3½	—

The bold letters and figures at left of dispensing price relate to the classification of poisons in THE CHEMIST AND DRUGGIST *Poisons Guide.*



The modern approach to cough control

'Pectamol' Linctus and 'Tussimol' Cough Pastilles derive their effectiveness from oxeladin citrate, a product of B.D.H. research. Oxeladin is an entirely new type of cough suppressant acting directly on the medullary centre.

'TUSSIMOL' TRADE MARK **COUGH PASTILLES**

'PECTAMOL' TRADE MARK **LINCTUS**



'TUSSIMOL' COUGH PASTILLES

Pleasantly flavoured pastilles that deal effectively with the dry 'tickling' cough.

TRADE: per dozen tins 23/9

RETAIL: 2/8 each—exempt P.T.

Special winter bonus terms for direct orders.

'PECTAMOL' LINCTUS

For specific cough suppression with local demulcent effect. Non-narcotic. Safe for children.

	TRADE	RETAIL
60 ml.	2/6	3/9
Reduced dispensing pack prices:		
250 ml.	**7/11**	—
2 litres	**49/2**	—

THE BRITISH DRUG HOUSES LTD. LONDON N.1

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The tree of life, the symbol of the highest quality in fine chemicals today,

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R.104

Advertisements in the women's magazines for Rozalex barrier creams No. 1 and No. 8 will be intriguing your customers. So will you have displays ready — and good stocks?

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DOLS' RUB CREAM

For a year the Company has had it tested in every possible way and are now confident that it is a product which is even more beneficial in its results than the liquid Dols' Rub.

DOLS' RUB CREAM is now being widely advertised.

Retail price is **3/9** per tube. Usual terms to the Trade.

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is very rarely bitten. Most often it's as welcome as the summer sun. It's trusted, relied upon, respected. That's certainly true of the unique *Linc-o-Lin* 'Hand' which helps to sell *Linc-o-Lin* hand cream so fast. Chemists **trust** it because it is indisputably the best on the market; **rely** on it for increased profits and turnover; **respect** it for the ability to apply everlasting customer goodwill.



in 3 attractive colours and 2 popular sizes. Retail Prices 4/11 or 1/6.
Refills 3/6



Linc-o-Lin

HAND CREAM

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ASPIRIN B.P.

"Fre-Flo" Granular, Needle Crystals and Powder

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SODIUM SALICYLATE B.P.

Flake and Powder

ACETANILIDE B.P.C. 1949

Please write for samples and quotations

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BAUMOL SOAP brings you professional satisfaction:
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Your wholesaler carries stocks.
A discreet yet telling showcard is available.

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High Efficiency
Pressure Packed

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Antibiotic Powder Spray



This new presentation of POLYBACTRIN is the result of intensive research into the mechanics of pressure packing antibiotics in powder form. While the formula and potency of POLYBACTRIN remain unchanged, radical modification of the valve mechanism and design of the unit provides the following advantages:—

NEW **positive directional, wide-angle spray gives wider coverage of the area under treatment.**

NEW **all metal container provides additional safety**

NEW **special valve eliminates impacting of powder and clogging of nozzle**

The use of Polybactrin during surgical procedures is a positive method of inhibiting any wound pathogens which may become implanted in the tissues.

INDICATIONS: Prophylactic—treatment of Burns—general surgery—Gynaecological operations—orthopaedic surgery etc.

FORMULA: Powder content 1.5g.
Each gramme contains:

Neomycin Sulphate	500 mg.
Polymyxin B Sulphate	100,000 units
Zinc Bacitracin	25,000 units

Pressurised with inert chloro-fluorohydrocarbon propellants.

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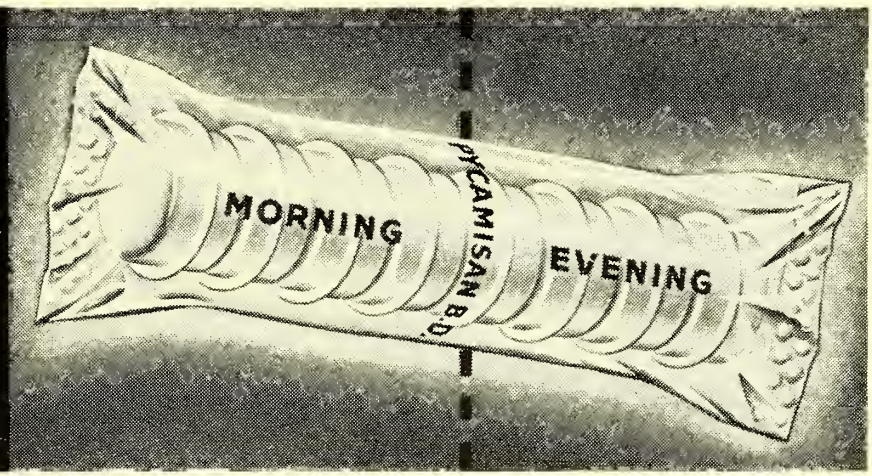


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PYCAMISAN B.D.

New PAS+INAH presentation for twice-daily dosage



These 5 advantages make T.B. treatment easier for both doctor and patient

- a smaller cachet, which is easier to swallow.
- a safer cachet, because it is wet-sealed, so that patients cannot tip out the contents with consequent risk of wastage or making themselves feel sick.
- twice-daily dosage, which means there is no midday dose to 'forget.'
- one day's supply in each tube, marked 'morning' and 'evening' to tell the patient when his next dose is due.
- new technique for swallowing cachets, described in a leaflet in each box (extra supplies available on request).

Because of these advantages, the patient is more likely to understand and stick to this simple regimen with PYCAMISAN B.D. PYCAMISAN B.D. is an addition to the present Pycamisan range, but its popularity may make it possible to reduce the range.

PYCAMISAN B.D. cachets each contain 1.5 G. Sodium PAS B.P. and 37.5 mg. Isoniazid B.P.

They are wrapped in polythene tubes of eight, providing a total daily dosage of 12 G. PAS and 300 mg. INAH, and are available in boxes of 240 (one month's supply) and 480 (two month's supply).

Smith & Nephew *Pharmaceuticals* Limited

WELWYN GARDEN CITY, HERTFORDSHIRE.

Millions of men and women know that it's

KAY'S

for coughs

* feature Kay's display material prominently on your counter

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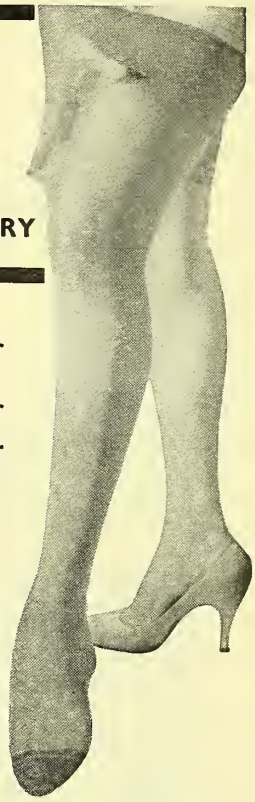
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Superfine @ 63/- pair

SERVICE @ 53/3 pair

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STAFFORD - MILLER LTD HATFIELD HERTS

- Today's most potent oral diuretic—ten to twelve times more powerful than chlorothiazide.
- Exercises complete control over prolonged periods.
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- Has a short, simple name that doctors remember.
- May be supplied against "open" prescriptions for hydrochlorothiazide.

it all adds up to–

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TRADE MARK

Unscored tablets of 25 mg. and 50 mg. **HYDROCHLOROTHIAZIDE**

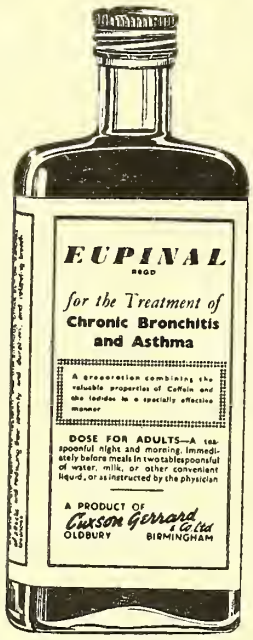
		HOSPITAL PRICE			HOSPITAL PRICE
25 mg.	Tubes of 25	8s. 8d.	**50 mg.**	Tubes of 25	16s. 0d.
	Bottles of 100	32s. 8d.		Bottles of 100	60s. 0d.
	Bottles of 500	160s. 0d.		Bottles of 500	290s. 0d.

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FROM CHEMISTS ONLY

4 ozs. TRADE: 28/- + 7/- P.T. Doz. Retail 4/2 each.
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ENTEROFAGOS is one of a series of M.B.L. preparations which enjoy the confidence of the Medical profession in this country and overseas. It is of established therapeutic value in the treatment of infective conditions of the gastro-intestinal tract, kidneys and bladder

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With ENTEROFAGOS most cases of **Diarrhoea** respond rapidly to treatment. **Colitis, Enteritis, Entero-colitis, Typhoid and Paratyphoid Fevers, Bacillary Dysentery, B. Coli Infections, Food Poisoning** are equally responsive to its treatment.

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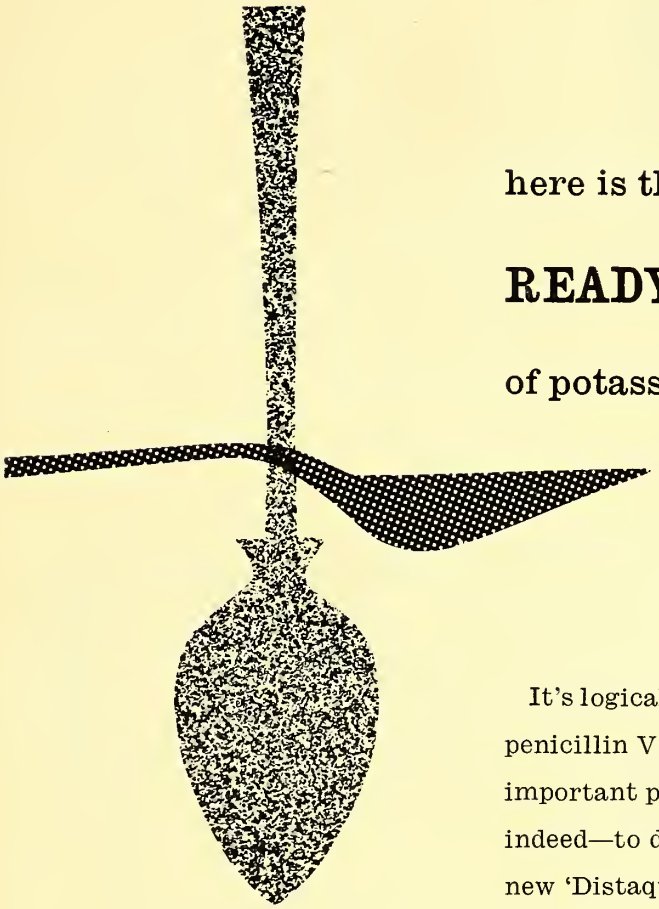
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the most efficient
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It's logical enough that the pioneers of Britain's penicillin V should be first again with another important penicillin development. For important indeed—to doctor and pharmacist alike—is the new 'Distaquaine' V-K Suspension. It is Britain's first *ready-prepared* suspension of potassium penicillin V, and can be dispensed without any preliminaries. It is pleasant-tasting, too, and is suitable for patients of every age. That's why you'll be seeing more and more prescriptions for . . .

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"The immediate clinical results were assessed after the first month's treatment (with Roter Tablets) .... 81% of cases became symptom-free—70% of them during the first week and 30% during the second week; a further 9% were relieved of the majority of their symptoms. Thus there was a satisfactory response in 90% of cases .... In 75% of cases the patients found they were able to take foods which they had avoided for years."

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"In a series of 155 cases of peptic ulcer treated with ... (Roter) tablets for three to six weeks, there was immediate relief of pain in 92% of cases and roentgenological healing of the ulcer in 81% ... The special features of this medication are immediate and prolonged relief of pain, correction of gastric hyperacidity, absence of side reactions, effectiveness for ambulatory patients, and early healing of the ulcer in most cases."

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PACKINGS: Retail Prices including P.T., Trial size 40 tablets 7/3d., Standard size 120 tablets 20/7d. Full treatment size 640 tablets 103/3d.; Dispensing packs 720 tablets, P.T. exempt.

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GRACKED FINGERNAILS
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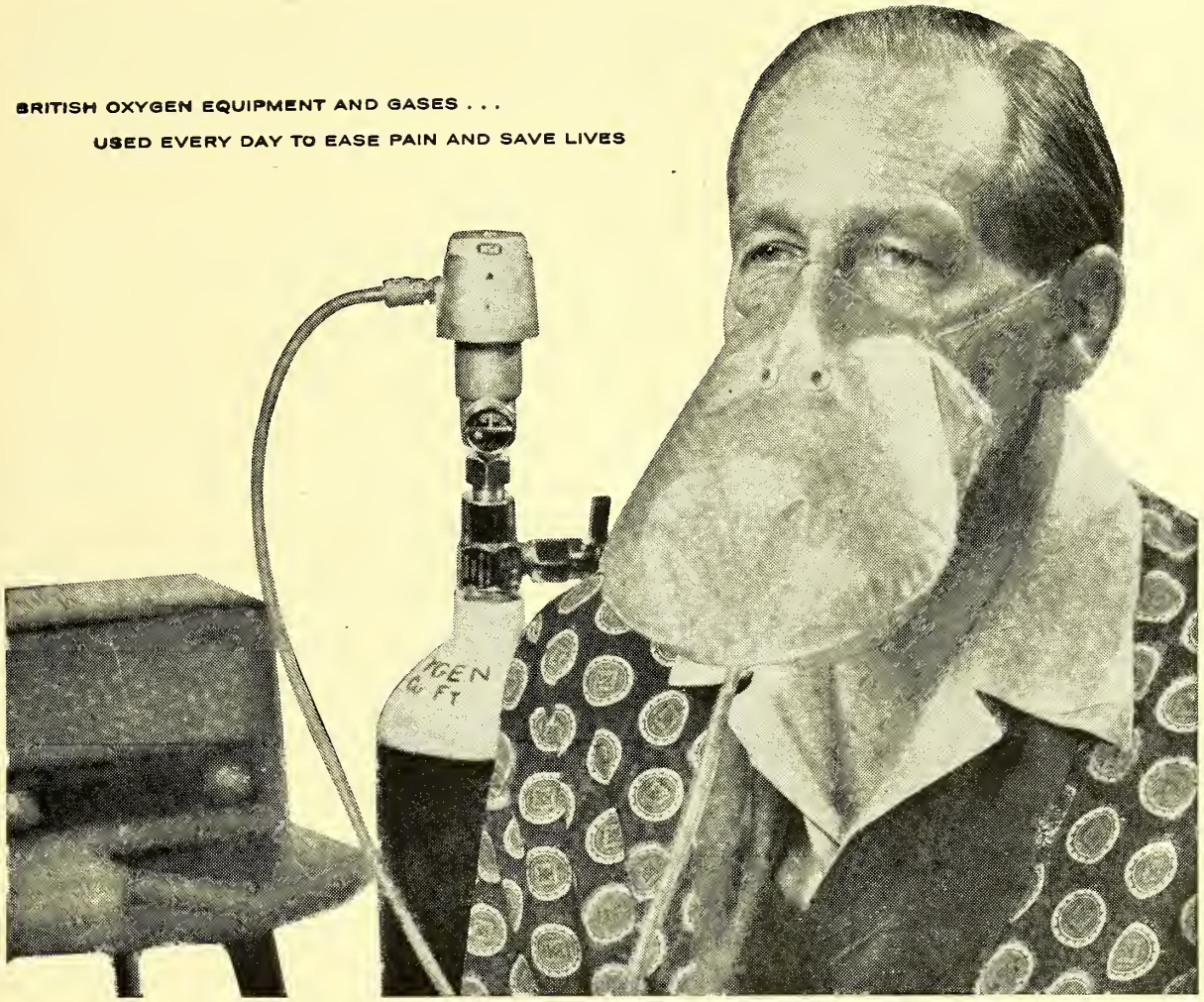
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IMPROVED PHENOTHIAZINE DERIVATIVE

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BRAND OF THIOPROPAZATE DIHYDROCHLORIDE

- **gives consistently effective results with low dosage.**
- **is safe, has minimal side effects.**
  (In specially designed studies and clinical trials in 727 patients, no liver toxicity was reported.)
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AVAILABILITY:

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50's	17/9	11/10
500's	162/6	108/4
2500's	771/10	514/7
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BOROUGH OF MORLEY. Chemist Shop. Low Moor Estate, Morley. Offers are invited for the tenancy of a Chemist shop (with flat above) on the Low Moor Estate, Morley, which is now nearing completion. The tenancy will be for a period of five years with an option to renew at the end of that period. Applicants may also apply for a weekly tenancy of the flat above the shop for his personal occupation, or, subject to the Council's approval, for the flat to be let to a person appointed to manage the shop. Full details concerning the position and dimensions of the shop, with particulars of living accommodation, may be obtained from this Office, together with form of tender. Tenders in plain, sealed envelopes, endorsed "Tender—Chemist Shop—Low Moor Estate" should be sent to reach me by the first post on Wednesday, December 30, 1959. E. V. Finnigan, Town Clerk, Town Hall, Morley. C 2557

BUSINESSES FOR DISPOSAL

EAST COAST, Nr. SKEGNESS.—Old-established chemist's shop and business for sale including increasing health prescription trade. Most suitable qualified man to work. Owner retiring. Good accounts. Price £3,500 plus s.a.v. Apply W. N. Hardcastle, F.A.I., 22 Drummond Road, Skegness. C 2564

OLD-ESTABLISHED druggist, drysaltery and wholesale confectionery, Quarry Bank, Staffordshire. Prominent main-road position, capital freehold premises in first-class order, to include spacious warehousing and family living accommodation. Sale due to ill-health. Goodwill, fittings and property £5,000, s.a.v. Maurice Allsop & Co., Auctioneers, 14 Hagley Road, Stourbridge. Tel.: Stourbridge 3619. C 2552

OLD-ESTABLISHED, small postal business supplying starters for home preparation of yoghourt for sale. Easily managed part-time from any part of country. £1,300 including registered trade mark. Box C 2560.

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APPOINTMENTS

BIRMINGHAM AND MIDLAND EYE HOSPITAL, CHURCH STREET, BIRMINGHAM, 3
Assistant-in-Dispensing

preferably with Apothecaries' Hall Certificate. Salary at age 18, £215 rising to £510 p.a. Detailed applications in writing naming two referees to Hospital Secretary. C 9970

BRIDGWATER GENERAL HOSPITAL, BRIDGWATER, SOMERSET (BRIDGWATER, MINEHEAD AND BUTLEIGH HOSPITAL MANAGEMENT COMMITTEE)
Chief Pharmacist

required (Category I) for duties in Group Pharmacy. Pleasant country area.
Applications, with names of two referees, to Group Secretary at Bridgwater General Hospital. C 9935

BIRMINGHAM AND MIDLAND EYE HOSPITAL, CHURCH STREET, BIRMINGHAM, 3
Senior Pharmacist

required. Engaged almost exclusively on preparation of sterile solutions in small but well-equipped department. Whitley Council salary and conditions. Previous experience in preparation of sterile products desirable. Applications naming two referees to Hospital Secretary. C 9971

BRISTOL MENTAL HOSPITAL, FISHPONDS
Assistant-in-Dispensing

required, preferably with Apothecaries' Hall Certificate. Salary according to age within scale £175—£510, with allowance of £20 for the Certificate. New entrants aged 22 and over at £395. The post is superannuable. Board residence if required. Applications giving age, details of experience and names of two referees should be sent to Secretary. C 9954

BROADMOOR INSTITUTION, CROWTHORNE, BERKS
Locum Pharmacist

required period 21.12.59—2.1.60. Accommodation available. Salary 18 gns. per week. Apply Medical Superintendent. C 9973

EPPING GROUP HOSPITAL MANAGEMENT COMMITTEE
Pharmacist

(full-time) required for St. Margaret's Hospital, Epping and Honey Lane Hospital, Waltham Abbey under control of Group Pharmacist. Alternatively, Pharmacist (part-time) for four sessions weekly at Honey Lane Hospital. Whitley Council Conditions of Service and salary. Detailed applications, with names and addresses of two referees, to reach Group Secretary, Epping Group H.M.C., "Oak Cottage," The Plain, Epping, Essex, by 18.12.59, from whom further information can be obtained. C 9961

HAREFIELD HOSPITAL, HAREFIELD, MIDDLESEX
Assistant-in-Dispensing

required. London Weighting payable and additional £20 p.a. if holding approved qualification. Applications giving age, qualifications and experience, together with two testimonials to Acting Medical Director. C 9941

HERTFORD COUNTY HOSPITAL, HERTFORD (21 miles from London)
Pharmacist

Applications are invited for the above post. Salary and conditions of service according to Whitley Council. Duties under direction of Chief Pharmacist. Prospects of promotion to Senior Grade. Department responsible for purchase and issue of drugs, dressings, surgical instruments and equipment for above and two other small hospitals. Applications giving details of age, qualifications and experience with names of two referees to Hospital Secretary, Hertford County Hospital, Hertford, Herts. C 9969

HILL END HOSPITAL, ST. ALBANS, HERTS
Dispensing Assistant

male or female, required as soon as possible. Salary at age 22 and over £395 rising to a maximum of £510 per annum plus £20 per annum for possession of Apothecaries' Hall or similar certificate. Applications stating age and full particulars of experience to the Chief Pharmacist. C 9962

KING EDWARD VII HOSPITAL, WINDSOR (Category III)
Pharmacist

required immediately. Applications with details of service to Secretary. C 9963

KING EDWARD VII HOSPITAL, WINDSOR
Assistant-in-Dispensing

required. Applications to Secretary. C 9938

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Appointments—Continued

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(Category V Hospital)
Pharmacist

Applications are invited for the above post. Applications for part-time Pharmacists will be considered. The hospital is ideally situated, being on the Central Underground Line within 20 minutes of Central London.
Application forms from the Hospital Secretary to be returned as soon as possible. C 492

METROPOLITAN HOSPITAL, KINGSLAND ROAD, LONDON, E.8
Locum Pharmacist

required to work in a modern department. Apply to Hospital Secretary. C 445

NORTH WIRRAL HOSPITAL MANAGEMENT COMMITTEE, VICTORIA CENTRAL HOSPITAL, LISCARD ROAD, WALLASEY
Locum Pharmacist

for three weeks commencing February 15, 1960. Applications to Administrative Officer, Victoria Central Hospital, Liscard Road, Wallasey. C 9958

SEAMEN'S HOSPITAL MANAGEMENT COMMITTEE
Pharmacist

required for duties under Chief Pharmacist at Dreadnought Hospital, Greenwich. Salary and conditions of service in accordance with Whitley Council regulations. Staff flat available if required. Applications stating age, qualifications and experience, together with the names and addresses of two referees, to be sent to the Group Secretary, Dreadnought Seamen's Hospital, Greenwich, S.E.10. C 9975

ST. OLAVE'S HOSPITAL, LOWER ROAD, ROTHERHITHE, S.E.16
Assistant-in-Dispensing

required in Pharmaceutical Department for varied duties. Salary up to £560 per annum including London weighting, and additional payment of £20 per annum for suitable qualifications. Apply giving names of two referees to the Chief Pharmacist, telephone Bermondsey 4311. C 9967

ST. OLAVE'S HOSPITAL, LOWER ROAD, ROTHERHITHE, S.E.16
Senior Pharmacist

Applications are invited for appointment at the above hospital. Salary up to £895 per annum including London weighting. Applications stating age, qualifications and experience and giving the names of two referees to the Hospital Secretary. C 9968

THE CORBETT HOSPITAL, STOURBRIDGE, WORCS
Assistant-in-Dispensing

required, Whitley Council Salary and conditions of service.
Applications and testimonials to House Governor and Secretary. C 9959

THE PHARMACEUTICAL SOCIETY OF GREAT BRITAIN, SCOTTISH DEPARTMENT
Staff Pharmacist

Applications are invited from young pharmacists (under 25) for appointment to the staff of the Scottish Department. The duties will be largely concerned with the organisation of practical examinations, and will include quantitative chemical estimation of preparations to be used in the examinations.
Fuller particulars may be obtained from The Resident Secretary, 36 York Place, Edinburgh, 1, to whom applications should be sent, giving date of birth, education, qualifications and experience, and the names of two referees. Applications should be received not later than 31st December. C 9964

THE LONDON HOSPITAL, WHITECHAPEL, E.1
Pharmacist

The above hospital has a vacancy for a Pharmacist. Salary £605—£815 according to previous experience and service. Applications to House Governor. C 488

WEST MIDDLESEX HOSPITAL, ISLEWORTH, MIDDLESEX
Assistant-in-Dispensing

required in Pharmaceutical Department for varied duties. Salary £395 per annum at age 22, rising to £510, plus London Weighting (additional payment of £20 per annum for suitable qualifications).
Apply giving names of two referees to the Chief Pharmacist. C 480

YORK "A" AND TADCASTER HOSPITAL MANAGEMENT COMMITTEE
Pharmacist

required at the COUNTY HOSPITAL, Monkgate, York. Salary scale £605 x £30 (3)—£695 x £35 (1)—£730 x £30 (2)—£790 x £25 (1)—£815 p.a. plus £25 p.a. higher qualification allowance, e.g., F.P.S., A.R.I.C. Applications stating age, qualifications, experience and names of two referees to Group Secretary, Bootham Park, York. C 9966

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SITUATIONS VACANT

RETAIL (HOME)

APPLICATIONS are invited from pharmacists, men or women, including those newly qualified, for position as Manager or Manageress of modern pharmacy with excellent dispensing connection on borders of Kent and London. Salary and commission in excess of £1,100 per annum. Good supporting staff. Superannuation scheme. The position is permanent and there are opportunities for promotion. House available if required in pleasant locality within easy travelling distance. Apply stating age and experience to the Superintendent Chemist, Royal Arsenal Co-operative Chemists, Ltd., 147 Powis Street, Woolwich, S.E.18. C 2547

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LADY assistant Pharmacist required for shop in large Wiltshire village. Hill, Chemist, Downton, Wilts. C 2559

OLDHAM CO-OPERATIVE CHEMISTS, LTD., invite applications for the position of pharmacy branch manager, either sex. Modern accommodation available if necessary. Superannuation. Salary and other emoluments at least £960. Applications giving age, experience, etc., to Oldham Co-operative Chemists, Ltd., King Street, Oldham. C 454

PETERBOROUGH. Pharmacist required to supervise our main branch. Inclusive salary to commence £24 per week. This is a congenial post in a pleasant locality with an attractive house available at a reasonable rent. Superannuation, sickness benefits and three weeks holiday. Interview by appointment at our expense. Apply with references to Peterborough Co-operative Chemists, Ltd., Park Road, Peterborough. C 2570

PHARMACIST required for part-time duties. No Saturdays, chiefly dispensing. S.W. London area. Apply Box C 2568.

YOUNG PHARMACIST required for busy country pharmacy, duties chiefly dispensing, up-to-date knowledge of photography important, staff of 9. — Dan Clare, Cranleigh, Surrey. ('Phone: 207.) Mark Envelope "Private." C 2543

STOKE-ON-TRENT. Pharmacist required to take full control of busy medium class business at Heron Cross. Good salary and conditions. Non-contributory pension scheme in operation. Please state if living accommodation is required. Full details from: R. E. Ridley, c/o Mott & Co., 48 Piccadilly, Hanley, Stoke-on-Trent. Phone (S.O.T.) 22506. C 2556

WHOLESALE

ASSISTANT TO WORKS MANAGER required. Young man to be trained for above position with manufacturing chemists at their N. London factory. Should have had some previous experience in the industry. H.N.C. standard chemistry with interest in engineering desirable. State fully experience to date. Box C 9957.

A VACANCY occurs for a representative preferably resident in or near Sheffield. Technical knowledge and experience of the wholesale drug trade essential. Salary and commission. Car provided. Territory South Yorkshire, North Notts. Apply for interview to Sales Director, Raimes & Co., Ltd., Manufacturing Chemists, "Micklegate House," York. C 9942

PROVINCIAL wholesaler requires additional warehouse and office staff, especially supervisory grades. Must be experienced. Full details to Box C 2553.

JOHN BELL, HILLS & LUCAS, LTD., require the services of a young pharmacist (lady or gentleman) to assist with general administrative duties including control of Dangerous Drugs and for dealing with technical queries. Apply: Managing Director, Oxford Works, Worsley Bridge Road, London, S.E.26. C 9780

COSMETIC ASSEMBLY
MALE SUPERVISOR

required for large female staff on general cosmetic packing. Work Study experience preferable. Kingston area. Write full details experience, salary, to Managing Director, Box CD749, LPE Romano House, 399/401 Strand, London, W.C.2. C 9960

INTERNATIONAL cosmetic company situated on the South coast require a development chemist (male or female). Applicants must be aged 20-25 with B.Sc. or B.Pharm. qualifications. Previous experience not essential. Apply giving detailed curriculum vitae to Box C 2565

REPRESENTATIVE required for London area. Previous experience in this territory an advantage. Salary and commission. Apply: Roberts Chemists (Bond Street), Ltd., 76 New Bond Street, W.1. Mayfair 4173. C 2569

THE BRITISH DRUG HOUSES, LTD., require for their dispensary a woman pharmacist with some years sound practical experience. The position requires a person with supervisory experience who is able to accept responsibility. Conditions of employment are good. The company operates a superannuation fund (contributory) and life assurance and profit-sharing schemes. Write stating age, experience, qualifications and salary required to Ref. HGR/HAC, Personnel Manager, The British Drug Houses, Ltd., Graham Street, N.1. C 9965

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RHODESIA : SENIOR EXECUTIVE. May & Baker, Ltd., Dagenham, Essex, require the services of a Senior Sales Executive for their Branch Office in Salisbury. Experience within the pharmaceutical industry is essential. The successful applicant, within the age group of 30-40, will have gained sales and administrative experience in the promotion of medical products for preference, but experience in allied fields and in industry would be an advantage. Suitable training in the United Kingdom will precede the appointment. There is a Pension Fund and Life Assurance Scheme in operation. Apply in writing, giving full details of career, and qualifications, together with a recent photograph, to the Personnel Officer, quoting Reference No. 162/59. C 9972

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Vacancies occur in:

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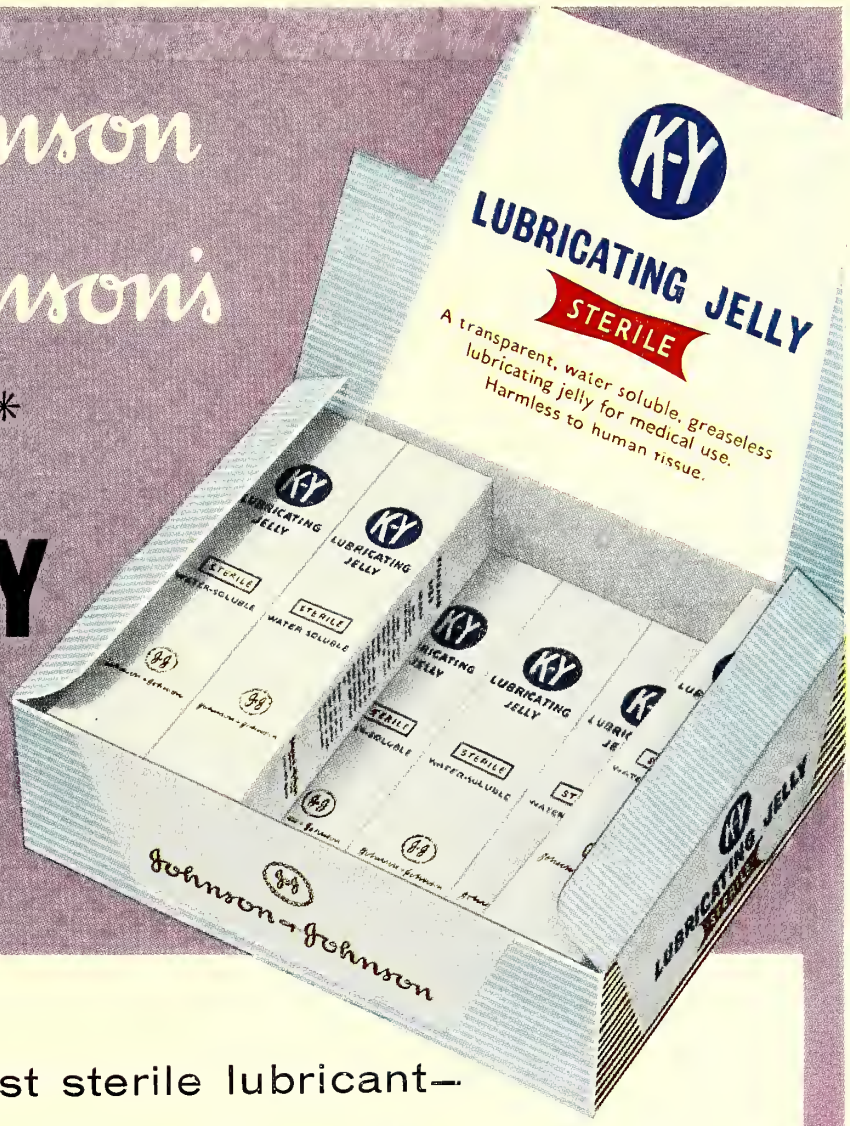
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